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The Electromagnetic Impact of Wind Turbines

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March 2013**

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THE ELECTROMAGNETIC IMPACT OF WIND TURBINES

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THE ELECTROMAGNETIC IMPACT OF WIND TURBINES

ABSTRACT

The objective of this project was to investigate the impact that a wind turbine can have on the electromagnetic environment that affects communication systems. The power generation process in a wind turbine has the potential of creating radio frequency (RF) emissions and the tower/blades can reflect RF signals that can have a negative impact upon RF communication systems. This project involved measuring the RF environment before and after the wind turbine was constructed. RF signals between 2 MHz and 18 GHz were transmitted towards the location of the wind turbine using directional antennas and taking receive signal level measurements at different distances from the turbine. This was done after the wind turbine was fully operational. The effects of the wind turbine on the RF environment were based on measurements taken before and after the turbine was constructed. Methods to mitigate effects encountered were explored. The effects that wind turbines have upon the electromagnetic environment and referenced communication systems were documented in detail, along with suggestions on how to mitigate the effects.

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LIST OF ACRONYMS AND ABBREVIATIONS

μs	microsecond
Ω	Ohm
AC	alternating current
ACSIM	Assistant Chief of Staff of the Army, Installation Management
ADSS	ATEC Decision Support System
AFB	Air Force base
alt	altitude
AMTI	Adaptive MTI
app	Appendix
ASA	Army Security Agency
ASR	Airport Surveillance Radar
ATEC	Army Test and Evaluation Command
ATF	Antenna Test Facility
BER	bit error rate
BRD	blockage, reflection, refraction, diffraction, and scatter
C4	Command, Control, Communications, Computers
C4ISR	Command, Control, Communications, Computers, Intelligence, Surveillance and Reconnaissance
C4NTD	Command, Control, Communications, Computers Network Test Directorate
CanWEA	Canadian Wind Energy Association
CFAR	constant false alarm rate
CIED	counter improvised explosive device
COTS	commercial off the shelf
CSS VSAT	Combat Service Support Very Small Aperture Terminal
CW	continuous wave
dB	decibels
dBm	decibel referenced to 1 milliwatt
DC	direct current
DF	direction finding/finder
DOA	Department of the Army
DOD	Department of Defense
DPW	Director of Public Works
DTIC	Defense Technical Information Center
DTP	detailed test plan

EM	electromagnetic
EME	electromagnetic environment
EO/IR	electro-optical and infrared
EPG	Army Electronic Proving Ground
EPLRS	Enhanced Position Location Reporting System
FM-CW	frequency modulation-continuous wave
GHz	gigahertz
GMR	ground mobile radio
GPS	global positioning system
GSR	ground surveillance radar
HERP	hazards of electromagnetic radiation to personnel
I/N	interference/noise
IFF	identification friend or foe
ISEC	Information Systems Engineering Command
ISM	industrial, scientific, and medical
JTRS	Joint Tactical Radio System
kHz	kilohertz
KV	kilovolts
KW	kilowatt
lat	latitude
LMR	land mobile radios
long	longitude
LOS	line of sight
LRR	long range radar
MANCAT	Multi-spectral Ambient Noise Collection & Analysis Tool
MCR	message completion rate
MEEM	Miniature Environment Enhancement Module
MHz	megahertz
MTD	moving target discriminator
MTI	moving target indicator
MW	megawatt
NS&ID	Network Systems and Integration Division

OACSIM	Office of the Assistant Chief of Staff of the Army, Installation Management
OPSEC	operations security
OSHA	Occupational Safety and Health Administration
Pd	probability of detection
PPE	personal protective equipment
RADAR	RAdio Detection And Ranging
RBW	resolution bandwidth
RCS	radar cross section
RF	radio frequency
RFCAT	Radio Frequency Collection and Analysis Tool
RFI	radar frequency interference
RSL	Receive signal level
RSM	remote spectrum monitor
SCADA	Supervisory Control and Data Acquisition
SINCGARS	Single-Channel Ground and Airborne Radio System
SNR	signal to noise ratio
SOMTE	Soldier Operator/Maintainers and Test and Evaluation
SoS	speed of service
SSVEC	Sulphur Springs Valley Electric Cooperative
SUT	system under test
TARS	Tethered Aerostat Radar System
T2D2	Test Technology Design and Development
UAV	unmanned aerial vehicle
UHF	ultra high frequency
UXO	unexploded ordinance
V	volts
VHF	very high frequency
VOR	VHF omni-directional navigation rule
WNW	wideband network waveform

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I. EXECUTIVE DIGEST

A. SUMMARY

The Army Chief of Staff for Installation Management (ACSIM) is implementing renewable energy devices on Army installations to increase energy security as well as meet mandated renewable energy goals conveyed in Executive Order 13524. The Army's goal is to be NetZero, with respect to Electricity, by the year 2058 (Sasarita, 2013, p. 1-1). Wind turbines are a potential source of renewable energy to meet these goals. However, the impact of wind turbines upon the electromagnetic environment and Army training and testing activities is unknown (p. 1-1). This study documents the impact of a one Megawatt (MW) commercial scale wind turbine on radars and telecommunication systems (p. 1-1), both tactical and commercial. A major portion of this paper was extracted from the Army Report (U.S. Army Electronic Proving Ground, March 2013) that the author prepared concurrently.

The ACSIM funded the installation of a one MW commercial full-scale wind turbine onto Fort Huachuca's South Range on 19 January 2011. The ACSIM also funded the evaluation, analysis and investigation of the wind turbine's effect on Radio Frequency (RF) environment. However, numerous problems occurred and delayed the turbine from being fully operational until January 2012. The following is a summary of the findings determined from measurements captured with the wind turbine in a static as well as operational configuration. Also, an opportunity to acquire preliminary measurements from operational wind turbines in Cheyenne, WY arose in February 2010. This presented a first look at RF emissions from wind turbines as well as a comparison data point.

The preconstruction survey conducted in Cheyenne, WY revealed no RF emissions from wind turbines to cause an EMI concern (Sasarita, 2013, p. 1). The turbines measured generated alternating current (AC) power so no direct current (DC) to AC inverter was required. Wind turbines that generate DC power and use an inverter to convert to AC can create RF interference for telecommunication systems (Radio

Advisory Board of Canada (RABC), 2007). Awareness of this should be noted for wind turbines constructed at other military installations.

EM Spectrum monitoring before, during, and after construction revealed that the turbine structure creates a multipath and possible RF sink phenomenon. RF signals measured 480 feet from the fully erected wind turbine were attenuated as much as 5.3 dB. This means that electronic systems operating in the vicinity of the wind turbine could experience some degradation. However, due to the inherent error correction features of Army tactical systems, the degradation may not be noticeable.

The reflectivity of the static wind turbine was measured between 1 GHz and 3 GHz (typical frequency range for radar), and the Radar Cross Section (RCS) value calculated was 200 m². The reflectivity with the turbine operational is expected to be higher and result in a higher RCS value. The RCS is a critical user defined parameter in the software model (HTZ Warfare) used to analyze the impact of wind turbines on radar and telecommunication systems. The simulation ran on HTZ Warfare for the Air Traffic Control radar (ASR-11) at Libby Army Airfield showed a 7 dB difference between an RCS of 200 m² and 1000 m² for the wind turbine. As expected, a higher RCS value resulted in a higher return signal received by the radar and potentially greater interference (Defense Technology Strategy for the Demands of the 21st Century Ministry of Defense London, UK, 2005b). Similar simulations were run with the MET and TARS radars. These results will be compared to actual radar displays once the turbine is operational for comparison and to determine the actual impact on the respective radars' missions as well as the accuracy of the HTZ Warfare software model.

1. Objective

Determine electromagnetic and physical characteristics of the wind turbine and any potential impact on Army radar, electronic warfare, and communications systems.

The products provided by this effort will permit the Army to understand and mitigate the impact that commercial scale wind turbines may have on Army Command, Control, Communications, Computers, Intelligence, Surveillance and Reconnaissance (C4ISR) and network equipment, where it is appropriate to site these on Army

installations, and if possible, what mitigation measures will be required if issues are encountered during testing, training, or a deployment.

2. Concept

“This effort was a field test, conducted in three phases: prior to construction, during construction, and during full operations” (Sasarita, 2013, p. 1-2).

a. Pre-Construction Phase

Sites were visited that have wind turbines and preliminary EM spectrum measurements were taken to help scope the problem and concentrate on the most useful areas to test (Sasarita, 2013, p. 1-3).

A baseline electronic signature of the area in the vicinity of the wind turbine site and adjacent power lines was established (Sasarita, 2013, p. 1-3).

b. Construction Phase

The safety and radio frequency noise potential of the as-built grounding and bonding scheme and installation was measured (Sasarita, 2013, p. 1-3).

A new electronic signature of the area to identify any significant changes was recorded (Sasarita, 2013, p. 1-3).

c. Post-Construction Phase

A new scan of the electronic signature of the area was established to identify any significant changes (Sasarita, 2013, p. 1-3). The focus was on “emanations from the turbine and connecting power lines” (p. 1-3). The baseline scan was run long enough to determine if wind speed had any effect on emanations.

“Transmitted radio frequency (RF) signals where the wind turbine was in the signal path, to determine electromagnetic and physical effects (reflection, refraction, and diffraction) at frequencies of interest to Army radar, electronic warfare, and communication systems” (Sasarita, 2013, p. 1-3). These signals were compared to similar signals and paths with the turbine turned off and without the wind turbine in the path.

Performed system operations testing of Army radar, electronic warfare, and communications systems with the turbine in the path and in the vicinity of the wind turbine (Sasarita, 2013, p. 1-3). Included equipment from both ground and air platforms. These operations were compared to similar signals and paths with the turbine turned off and without the wind turbine in the vicinity (p. 1-3).

Developed and tested procedures to minimize or mitigate adverse effects of the wind turbine, if any.

Acquired a model to simulate commercial wind turbine effects on C4ISR and networks (Sasarita, 2013, p. 1-3). Validated the model using results of the preceding tests.

d. Constraints and Limitations

Once installed, the wind turbine tower cannot be moved. It is not near any existing fixed air traffic control radars, fixed air defense radars, or fixed range tracking radars. Transportable radars will have to be brought to the vicinity of the wind turbine for testing.

The area to the West of the wind turbine is an impact area backed by the mountains. This meant that most RF communications tests must be conducted on a North-South axis parallel to the road. A positive consequence of the location was that measurement of potential electromagnetic emanations from the wind turbine will be simplified. Precise measurements can be made from the East side using directional antennas because there will be very little background RF noise coming from the West behind the turbine.

The nacelle and blades passively orient to the wind, and cannot be turned on the horizontal axis except as appropriate to face the prevailing winds. This means that it was not possible to conduct tests that required controlled sequential changes in the aspect between the blades and the emitters or receivers. It was not possible to totally control the angle between test signal and the spinning blades. It took long periods of waiting for a desired condition (i.e., angle of attack) to occur, if it occurred at all.

The blades turn at constant speed, regardless of wind speed, so it was not possible to test potential impacts of turbines operating at different speeds.

The turbine was located within the Ft. Huachuca Aerostat no-fly zone. It is near the edge of the zone so manned and unmanned air platforms were not able to fly near enough to test impacts without violating the zone. (Sasarita, 2013, pp. 1-3 – 1-4)

3. Findings

No measurable electromagnetic emanations above the noise floor were detected at the wind farm located at Warren Air Force Base (AFB), WY or at the Nordic wind turbine located on the South Range of Fort Huachuca, AZ (Sasarita, 2013, p. 1-4).

The Remote Spectrum Monitoring equipment consisting of a Rohde and Schwarz EM-100 connected to an AOR SA-7000 scanner antenna, and the Agilent E4407B Spectrum Analyzer with two separate omni-directional antennas—the ARA, Inc. Model SAS-2/A active antenna and the ETS-Lindgren Model 3181 passive antenna combined with an Agilent 87405C preamp was sufficient to establish a baseline scan of the electromagnetic environment before and after construction of the wind turbine.

It appears that the wind turbine is behaving like an RF sink causing broad band RF signal attenuation, shorting sky wave RF signals to ground (Sasarita, 2013, p. 1-4).

B. SYSTEM DESCRIPTION

“The system being investigated (SUT) is a N1000 one megawatt (MW) wind turbine from Nordic Windpower. It has two rotor blades, 59 meters in diameter on a 70-meter steel tower” (Sasarita, 2013, p. 1-4), as shown on Figure 1.



Figure 1. Nordic Windpower Wind Turbine (from Sasarita, 2013, p. 1-5)

Technical data for the N1000 from the company website is as follows, in Figure 2 (Sasarita, 2013, p. 1-4).

N1000 Technical Data			
GENERAL			
Nominal power	1,000 kW		
Rated wind speed	16 m/s		
Operational range	4-25 m/s, 4-22 m/s		
Extreme wind speed	55 m/s (standard)		
Control principle	Stall		
WIND TURBINE			
Turbine diameter	54 m, 59 m		
Orientation	Upwind		
Rotational speed	25 rpm 21.5 rpm		
Blade tip speed	71 m/s, 66 m/s		
Blade material	GRP / Carbon		
Type of hub	Teeter		
Teeter bearing	Elastomeric		
Maximum teeter	±2°		
GENERATOR - 600V & NEMA 3 are options			
Type of generator	4-pole induction		
Rating	1,000 kW		
Voltage	600 V / 690 V		
Protection	NEMA3 / IP54		
Cooling	Liquid (glycol-water)		
Power factor	0.98 at 100% power		
BRAKING SYSTEM			
Air brake	Turnable blade tips		
Activation/deactivation	Centrifugal force/hydraulics		
Mechanical brake	Disc brake with two calipers		
Activation/deactivation	Springs/hydraulic pressure		
GEARBOX			
Type	2 planetary & 1 stage helical, integrated turbine bearings		
Gear ratio	1:87		
Cooling	Heat exchanger		
YAW SYSTEM			
Type of bearing	Rolling bearing		
Drive	Hydraulic motors with planetary gearboxes		
TOWER			
Type	Welded steel tube, painted		
Hub height	70 m standard		
Diameter top/bottom	1.9/3.0 m		
CONTROL SYSTEM			
Distributed control system			
IEC 61131-3 compliant turbine controller			
SCADA system			

Figure 2. Nordic Windpower N1000 Technical Data (from Sasarita, 2013, p. 1-6)

The induction generator in the nacelle is a *potential* source of RF noise, as are the control circuits and outgoing feeder power line.

“The wind turbine generates 3-phase, alternating current (AC) at 690 volts (V). This voltage is stepped down to an intermediate voltage of 480 V, which is fed into a second transformer near the base of the tower that steps the voltage up to 13.8 KVolts for connection to the power grid” (Sasarita, 2013, p. 1-5). The transformers and power line are also *potential* sources of RF noise.

“The system is controlled via a secure web interface (Sasarita, 2013, p. 1-5). “The communications circuit is an internet connection and must be connected via a fiber optic cable (lightning protection gap) between the turbine and connection point” (p. 1-5). Weather information will be available on the interface along with turbine performance measures and control signals (p. 1-5).

Wind turbines are known to interfere with air traffic control radar systems due to blocking radar signals, generating radar clutter (scattering the ground return), and Doppler effects (caused by the rotation of the rotor blades). Similar effects are anticipated with air defense radars, ground surveillance radars, and air-to-ground intelligence packages (Defense Technology Strategy for the Demands of the 21st Century Ministry of Defense London, UK, 2005a). The wind turbine becomes part of the threat environment.

Similarly, the wind turbine has the potential to interfere with communications and C4ISR network systems. Because these systems do not rely on reflection and because these systems generally incorporate error-correction and anti-jamming capabilities, the impact of the wind turbine on these systems is likely to be different from the impact on radar systems. Known effects include flicker or shadows on analog television broadcasts.

Other communications systems, such as land mobile radios (LMR) are essential to range operations, first responders, and test control. They are therefore critical to training and testing operations on Army installations but are not necessarily as robust as Army systems and *may* be impacted by the wind turbine.

C. CONCLUSIONS

1. Signal Measurement Comparison with Baseline

Signals in the vicinity of the wind turbine, located on Ft. Huachuca's South Range, were measured to determine any impact to the RF environment caused by the introduction of the wind turbine. This was done by taking measurements of the RF spectrum before and after the wind turbine was constructed using an EPG tool called MANCAT. The comparison of the raw data showed little difference. However, the differences were magnified when summed together. The graph below was generated by the summation of the differences measured.

2. Monitor Shed

The monitor shed is located approximately 575 feet south of the wind turbine. RF signals between 10 kHz and 8GHz were measured at this location, before and after a 575 foot power cable was laid between the turbine site and the monitor shed. All measurements at the monitor shed were taken without any cranes or the wind turbine present. The before measurements are the baseline upon which comparisons were based.

The blue curve in Figure 3 is a representation of the signal strength at the monitor shed before the wind turbine was constructed, but after the 575 foot power cable was installed. The power cable acts like a large ground plane improving signal reception.

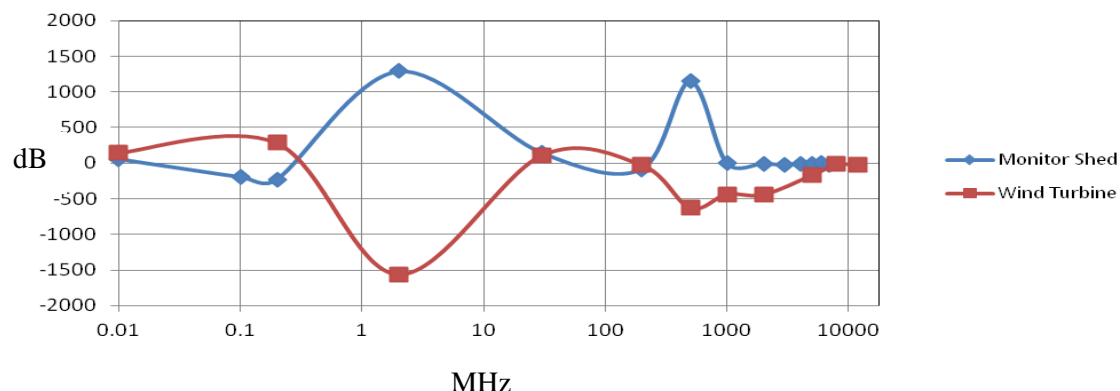


Figure 3. Signal Alone, 6 dB for 10 kHz to 200 MHz and 3 dB for >200 MHz
Difference Between Ambient and Summed Signals

3. Wind Turbine Site

RF signals between 10 kHz and 18GHz were measured approximately 350 feet north of the wind turbine, before and after the cranes and wind turbine were in place. The red curve in the graph below indicates that the RF signals measured after the wind turbine was constructed, but prior to it being operational, have been attenuated. It appears that the wind turbine is behaving like an RF sink, shorting sky wave RF signals to ground. This is attributed to the steel turbine tower being connected directly to ground instead of being insulated from the ground at the base as an antenna would. If the tower was insulated from ground, it would behave like an antenna and the red curve would have approximated the blue. It is possible that Multipath could also be contributing to the attenuation.

D. RECOMMENDATIONS

Our data demonstrates that signal degradation for radio signals and the interference to the Airport Surveillance Radar (ASR) presented by the single wind turbine is minimal. The impact in radio communications is minimal. However, HF and VHF radios may be susceptible to Frequency Fading, Time Dependant Fading, Doppler Spread, Depolarization, Signal Reflection and Signal Refraction and may encounter interference when using the frequencies listed in Table 5. Frequencies half way between consecutive harmonics is expected to cause the least amount of interference.

Although, the ASR is susceptible to interference caused by the Wind Turbine, fortunately due to its location, it is partially masked by the terrain and the distance places the turbine blades outside the ASR angle zone of interest.

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II. TASKS

A. PRECONSTRUCTION SURVEY

1. Objective

Determine if measurable energy is being emanated in the form of RF noise, using wind turbines at other sites as examples (Sasarita, 2013, p. 2-1). “If RF noise is detected, identify frequency and dependencies, such as the wind speeds, affect on frequency, magnitude, or other noise characteristics” (p. 2-1).

This task allowed the gathering of information required to write the wind turbine test plan.

2. Criteria

RF noise measures are relative to the noise floor in the vicinity of the system under test (SUT) (wind turbine) (Sasarita, 2013, p. 2-1).

Measurable RF noise is defined as any clearly defined peak of 6 decibels (dB) or more above the noise floor at the frequency of interest, measured at the edge of the safety zone of the SUT (Sasarita, 2013, p. 2-1). The safety zone, for this task, is defined as a circle around the base of the wind turbine with a radius, which is the greater of 100 feet or one and one-half times the diameter of the turbine blades (194 feet) (p. 2-1). Therefore, for the wind turbine used, the safety radius is 291 feet (p. 2-1).

a. Procedures

Prior to construction of the Nordic Windpower N1000 turbine at Ft. Huachuca, AZ, another wind turbine site was visited and spectrum monitoring was conducted to scope the magnitude of potentially interfering harmful emanations from the turbine, transformer, and power lines.

The initial surveys were at Warren AFB, WY. The site is shown in Figure 4.

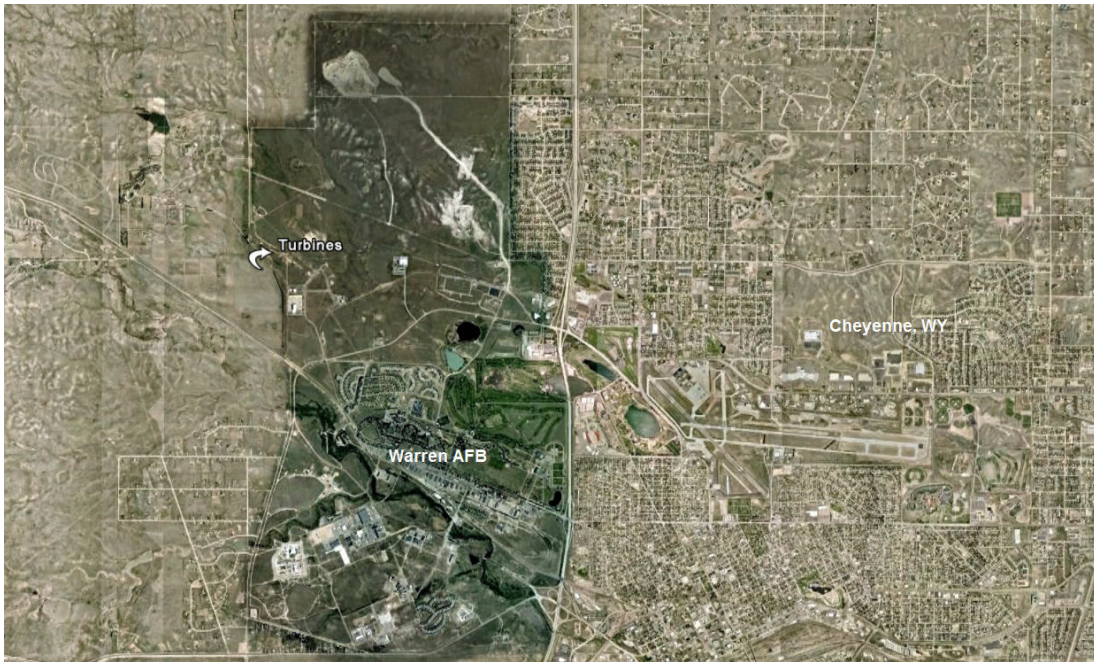


Figure 4. Warren AFB, WY, Proposed Survey Site (from Sasarita, 2013, p. 2-2)

Using a portable spectrum analyzer and antenna in the omni-directional mode, radio frequency spectrum scans were performed from 10 kilohertz (kHz) to 6 gigahertz (GHz) at the edge of the safety zone of the wind turbine, and initial readings downwind of the wind turbine (the back of the nacelle) were taken (Sasarita, 2013, p. 2-1). If the predominant wind changed, during the course of a test run, the change on the data collection sheet was noted. (p. 2-1)

NOTE: This frequency range was selected for two reasons: 1) these frequencies are the most likely to be impacted, and 2) these frequencies cover all known terrestrial tactical communications systems (Sasarita, 2013, p. 2-2).

Eliminate potential sources of interference if possible (Sasarita, 2013, p. 2-2). “Cell phones and portable radios were left in a vehicle at least 50 feet from the data collector” (p. 2-2). If a DC-AC inverter was used to power the spectrum analyzer and laptop, use a 100-foot extension cord and locate the vehicle on the opposite side of the data collector from the turbine, at approximate a 45-degree angle from the line between the data collector and the turbine (p. 2-2). This will minimize any interference from the vehicle with signals from the wind turbine (p. 2-2).

Perform scans as follows, in Table 1.

Table 1. Warren AFB Survey Frequency Bands (from Sasarita, 2013, p. 2-2)

Frequency Band	Resolution BW	Video BW	Antenna
10 kHz–100 kHz	100 Hz	300 HZ	LF Loop
100 kHz–2 MHz	300 Hz	1 kHz	HF Loop
2 MHz–80 MHz	3 kHz	10 kHz	HF Loop
80 MHz–200 MHz	3 kHz	10 kHz	VHF Loop
200 MHz–1 GHz	10 kHz	30 kHz	VHF Loop

b. Settings

- The Rohde & Schwarz FSH6 shall have attenuation set to 0 dB with the preamp turned on (Sasarita, 2013, p. 2-3).
- Record the data from the above scans using the Rohde & Schwarz FSH View software program (Sasarita, 2013, p. 2-3).

If RF unidentified noise is detected, switch from an omni to a directional antenna and determine if the signal is coming from the direction of the wind turbine (Sasarita, 2013, p. 2-3). If so, move so that the turbine is at a right angle to the previous noise bearing (p. 2-3). If the direction of the RF noise moves to correspond to the new bearing of the turbine, move closer and farther away from the turbine and measure amplitude changes of the noise (p. 2-3).

If RF noise is detected and appears to be emanating from the wind turbine, turn the turbine off and back on to see if the noise goes away and returns (Sasarita, 2013, p. 2-3). Record the “off” state as well as the “on” state (p. 2-3).

If the RF noise is determined to be coming from the wind turbine (generator, transformer, inverter, or tower) or feeder power lines (Sasarita, 2013, p. 2-3):

- Use the directional antenna to determine if it is originating at the top of the tower (generator in the nacelle), the base (transformer or inverter), the tower itself, or the power lines. Move closer or farther away as required to isolate the noise source (Sasarita, 2013, p. 2-3)
- Zoom in to the frequency of the RF noise and capture the analyzer screen (Sasarita, 2013, p. 2-3)

- Use the earphones to listen to and describe the noise

Repeat all of the above to identify any additional RF noise. Test all three available turbines and the feeder power lines at Warren AFB, WY (Sasarita, 2013, p. 2-3).

For comparison purposes, perform an additional scan set at a distance at least 250 feet away from the turbine (Sasarita, 2013, p. 2-3).

If time is available and permission is obtained, perform spot check scans in the vicinity of the Happy Jack Wind Farm located approximately 10 miles west of Cheyenne, WY (Sasarita, 2013, p. 2-3). Spot check scans to include frequencies of interest resulting from the scans at Warren AFB (p. 2-3).

Repeat for additional sites as they become available (Sasarita, 2013, p. 2-3).

3. Findings

“Warren AFB has three wind turbines, two Vestas 660 KW turbines and one Gamesa Pennsylvania 2 MW turbine” (Sasarita, 2013, p. 2-3).

- The 2 MW turbine was non-operational at the time so we could not survey it (Sasarita, 2013, p. 2-3)
- An Electromagnetic Survey was conducted inside the tower of, adjacent to, and at a far field distance from, one of the operational 660 KW turbines at Warren AFB. Measurements were made with both 660 KW turbines running, with only the closest turbine running, and with both turbines stopped. (Sasarita, 2013, p. 2-3)
- An Electromagnetic Survey was also conducted at the Happy Jack Wind Power Project, approximately nine miles west of Warren AFB. This site consisted of 14 Suzlon S88 2.1 MW wind turbines. Because the wind farm site chief was off site for the day, we were unable to directly approach any of the turbines. We were, however, able to gain permission to conduct the survey from the Cheyenne Landfill that is near the center of the wind farm. The survey site was near the Southwest corner of the Eastern half of the wind farm. The nearest three turbines were all within approximately 600 meters of the survey site. (Sasarita, 2013, pp. 2-3 – 2-4)

Measurements were taken using a Rohde and Schwarz FSH-6 spectrum analyzer and a tripod-mounted locally produced multi-band loop antenna (Sasarita, 2013, p. 2-3). Measurements were taken alternatively with the antenna horizontally polarized (omni-directional) and vertically polarized (bi-directional).

Measurements within the 660 KW turbine tower at Warren AFB with the door closed and the turbine running did reveal several detectable emanations, but at a level within the tower that were at or below the noise floor outside the tower.

No significant electromagnetic emanations were detected outside the tower at either the far field distance (approximately 150 yards) or immediately adjacent to the tower (less than 10 yards) (Sasarita, 2013, p. 2-4). “There was no measurable difference between the turbines running and the turbines stopped” (p. 2-4)

No measurable electromagnetic emanations were detected at the wind farm (Sasarita, 2013, p. 2-4).

4. Technical Analysis

No significant electromagnetic emanations were detected outside the Vestas 660 KW turbine tower at either the far field distance (approximately 150 yards) or immediately adjacent to the tower (less than 10 yards) (Sasarita, 2013, p. 2-4). There was no measurable difference between the turbines running and the turbines stopped (p. 2-4).

The plots in Figures 5 and 6 graphically support the conclusion that no significant electromagnetic emanations were detected outside the towers (Sasarita, 2013, p. 2-4). In these plots, the red line is when the turbine was on and the blue is when it was off (p. 2-4). There is no significant difference between the two.

Measurements within the 660 KW turbine tower at Warren AFB with the door closed and the turbine running did reveal several detectable emanations; however, they were at a level within the tower that were at or below the noise floor outside the tower (i.e., the emanations could only be seen when the noise level was significantly reduced by going inside the tower and closing the door).

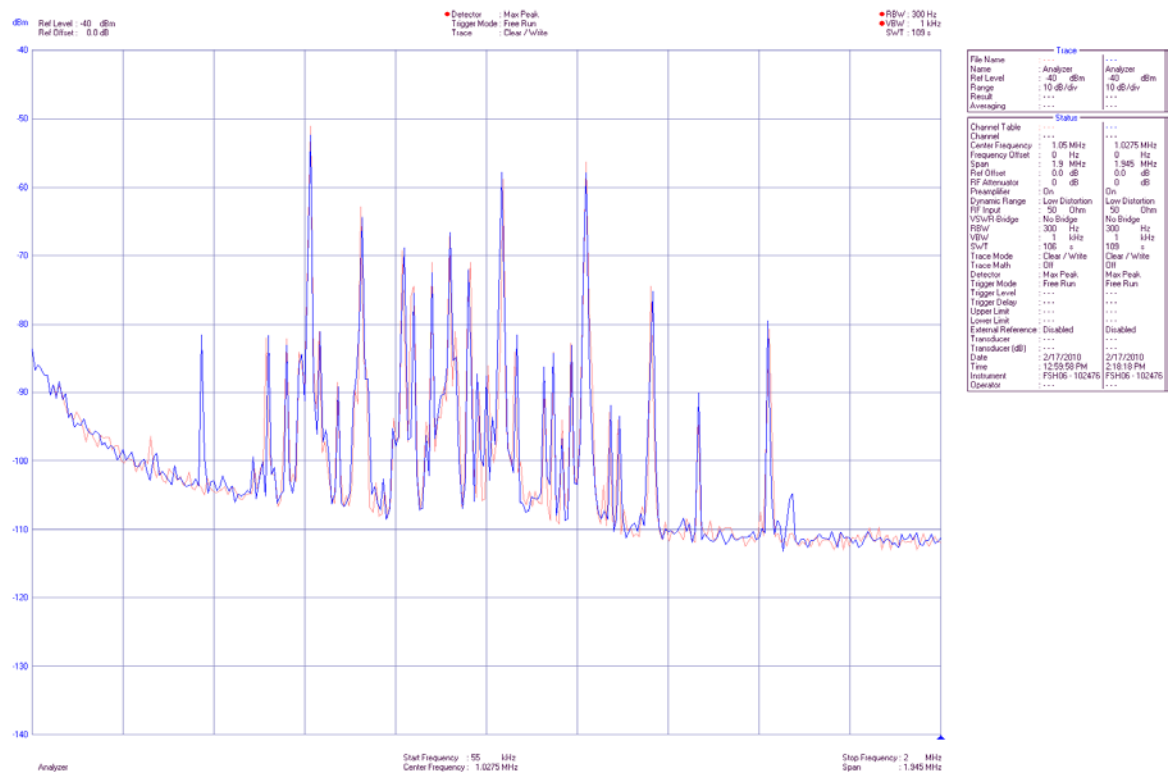


Figure 5. 100 kHz to 2 MHz, Red is Wind Turbine on and Blue Is Wind Turbine Off (from Sasarita, 2013, p. 2-4)

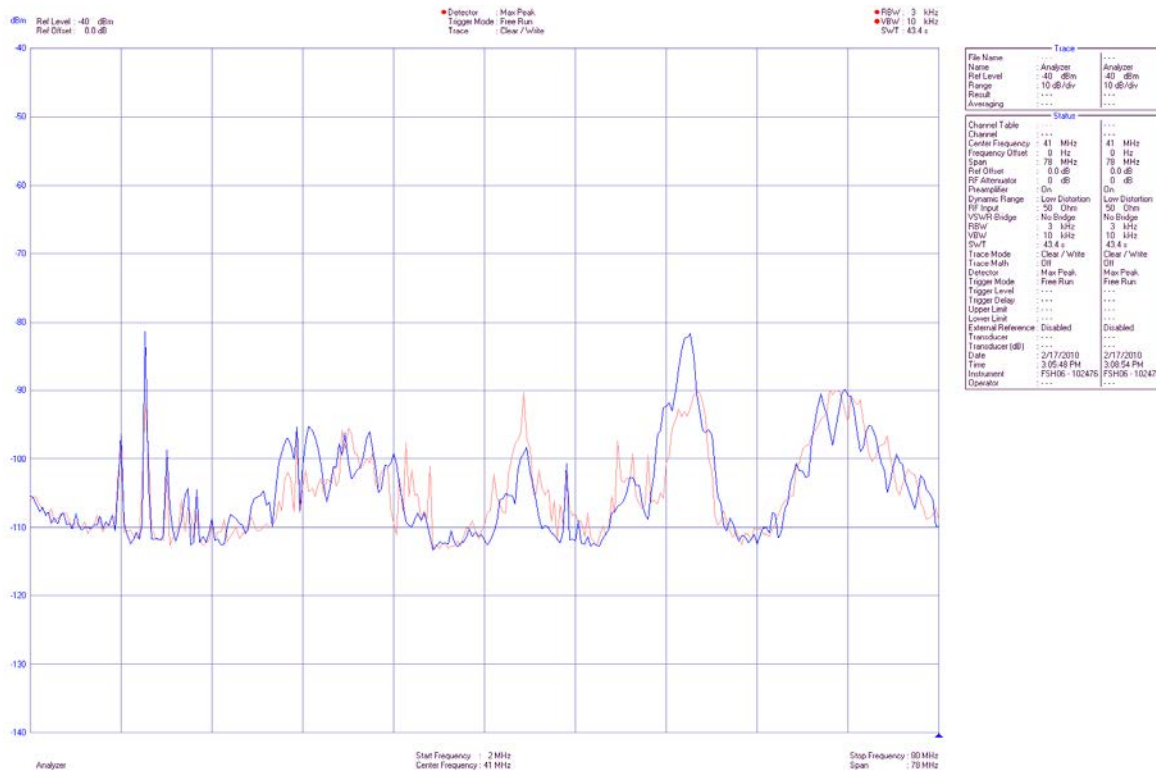


Figure 6. 2 MHz to 80 MHz, Red Is Wind Turbine on and Blue Is Wind Turbine Off (from Sasarita, 2013, p. 2-5)

B. PRE-CONSTRUCTION BASELINE SIGNATURES

The assembly cranes arrived on site on or about 10 January 2011 with assembly beginning on 12 January 2011.

Wind turbine sections arrived beginning 14 January 2011, and assembly was completed on 19 January 2011. The cranes used to assemble the turbine departed site on 26 January 2011.

Selected pictures of the installation are located at Appendix A.

1. Objective

Record baseline electronic signatures of the wind turbine area (Sasarita, 2013, p. 2-6).

Establish baseline signatures for comparison with signatures recorded during and following wind turbine construction to identify changes that could potentially impact training or testing (Sasarita, 2013, p. 2-6).

2. Criteria

Run a minimum 24-hour Omni-directional baseline scan utilizing a script to program the collector to scan the frequency spectrum from 10 kHz to 2 GHz.

3. Procedures

“Baseline electronic signature of the area, using omni-directional antennas, was collected at a site north of the road leading to DeConcini Hill and approximately 39.5 yards east of Garden Canyon Road” (Sasarita, 2013, p. 2-6). See Figure 7.

- Remote Spectrum Monitor (RSM) equipment was placed inside an instrumentation hut, and grid power (not batteries) was provided by extending conditioned power from the wind turbine site (a distance of approximately 160 yards) (Sasarita, 2013, p. 2-6)
- Global positioning system (GPS) coordinates for the RSM hut location are 31.503968 latitude, -110.317394 longitude, and 4,960 feet altitude (Sasarita, 2013, p. 2-6)
- The RSM equipment consists of a Rohde and Schwarz EM-100 radio scanner connected to an AOR SA-7000 scanner antenna with a bandwidth from 30 kHz to 2,000 MHz (Sasarita, 2013, p. 2-6)
- “A script was used in conjunction with the Orion RAT program to collect data for 100 kHz to 2.01 GHz at 25 kHz resolution bandwidth” (Sasarita, 2013, p. 2-6)
- The data file covering the period 1200–1800 hours was used for analysis because this period is basically the same propagation period and conditions as the scan data collected using the Agilent E4407B Spectrum Analyzer (Sasarita, 2013, p. 2-6)

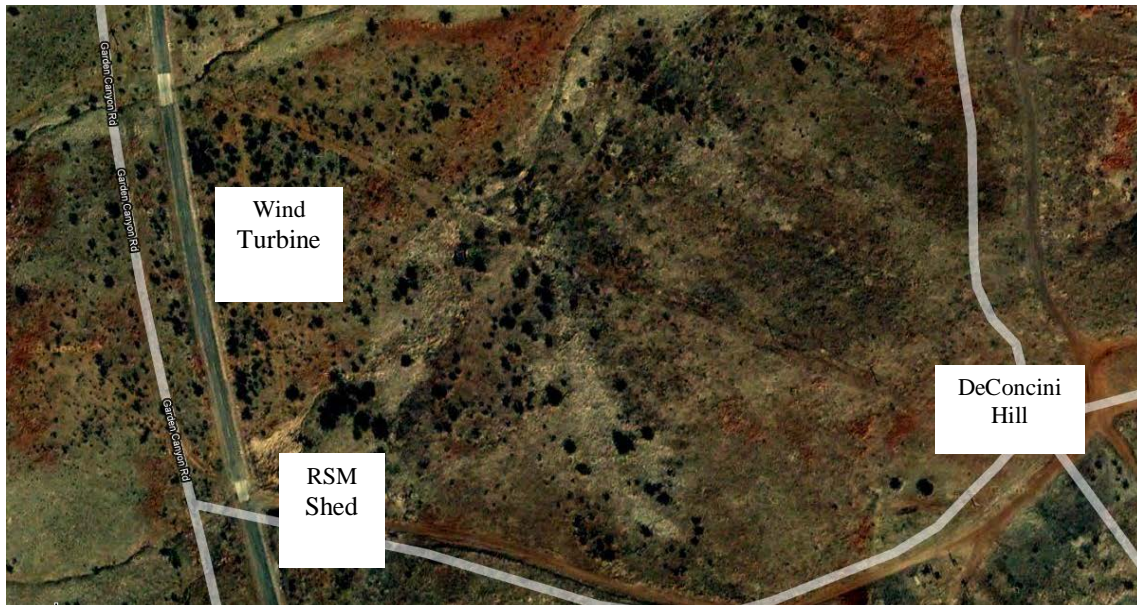


Figure 7. Location of RSM Shed (from Sasarita, 2013, p. 2-7)

Additional baseline omni-directional monitoring scans were conducted that covered 10 kHz to 18 GHz (Sasarita, 2013, p. 2-7). Pre-construction baseline frequency bands appear in Table 2 (p. 2-7).

- “These scans used an Agilent E4407B Spectrum Analyzer with two separate omni-directional antennas: the ARA, Inc. Model SAS-2/A active antenna, and the ETS-Lindgren Model 3181 passive antenna combined with an Agilent 87405C preamplifier (Sasarita, 2013, p. 2-7).
- “The spectrum analyzer was mounted inside of the Miniature Environment Enhancement Module (MEEM) test trailer, and the respective antennas mounted on a tripod approximately 15 feet outside of the trailer” (Sasarita, 2013, p. 2-7).
- Two monitor locations were used the first approximately 100 feet northwest of the wind turbine tower foundation (GPS 31.50532 latitude, -110.317807 longitude, 4962.0 feet altitude), and the other approximately 420 feet northwest from the wind turbine foundation on the east side of Garden Canyon Road (GPS 31.506317 latitude, -110.318297 longitude, 4963.0 feet altitude) (Sasarita, 2013, p. 2-7).
- All scans were done during late morning to mid-day so that the propagation would be similar from day to day.

Table 2. Pre-Construction Baseline Frequency Bands (from Sasarita, 2013, p. 2-8)

Ref Level dB	Frequency Band	Resolution Bandwidth	Video Bandwidth	Receive Antenna
-30	10 kHz–200 Khz	1 kHz	3 kHz	A.R.A. SAS-2/A Active Antenna
-20	200 kHz –2 MHz	3 kHz	10 kHz	A.R.A. SAS-2/A Active Antenna
-30	2 MHz–30 MHz	10 kHz	30 kHz	A.R.A. SAS-2/A Active Antenna
-40	30 MHz–200 MHz	30 kHz	100 kHz	A.R.A. SAS-2/A Active Antenna
-50	200 MHz–500 MHz	30 kHz	100 kHz	A.R.A. SAS-2/A Active Antenna
-50	500 MHz–1 GHz	100 kHz	300 kHz	Agilent 87405C Preamp with ETS-Lindgren Model 3181
-50	1 GHz–2 GHz	100 kHz	300 kHz	Agilent 87405C Preamp with ETS-Lindgren Model 3181
-50	2 GHz–4 GHz	100 kHz	300 kHz	Agilent 87405C Preamp with ETS-Lindgren Model 3181
-50	4 GHz–8 GHz	300 kHz	1 MHz	Agilent 87405C Preamp with ETS-Lindgren Model 3181
-50	8 GHz–12 GHz	300 kHz	1 MHz	Agilent 87405C Preamp with ETS-Lindgren Model 3181
-50	12 GHz–18 GHz	300 kHz	1 MHz	Agilent 87405C Preamp with ETS-Lindgren Model 3181

4. Findings

a. Baseline Scan Using the RSM

- Figure 8 is a one jpg file sample of the first 100 MHz block of frequencies “spanning 100 kHz to 100 MHz” (Sasarita, 2013, p. 2-8).
- This scan shows the AM broadcast band on the left side and ending with the lower half of the FM broadcast band on the right side (Sasarita, 2013, p. 2-8).
- The large spike near the left edge represents the two high-powered AM stations shown in Figure 8 (Sasarita, 2013, p. 2-8). A total of 20 of these 100 MHz scans make up the spectrum from 100 kHz to 2000 MHz, each scan requiring 4000 data lines on an Excel spreadsheet of frequency in MHz vs. signal strength in dB.

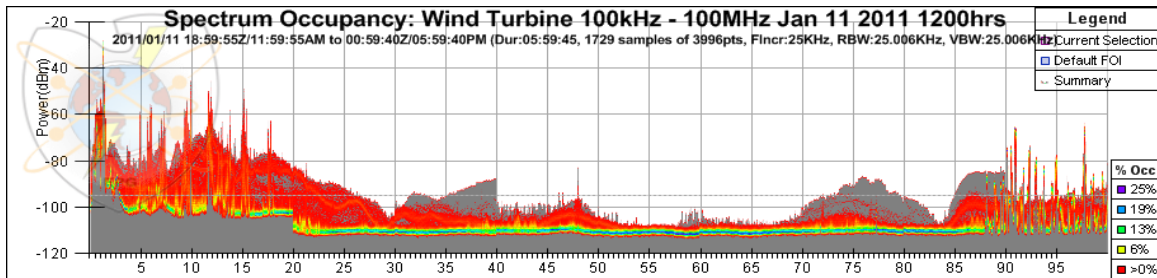


Figure 8. Ambient Spectrum Sample for 100 kHz to 100 MHz for 11 January 2011 (from Sasarita, 2013, p. 2-8)

b. Baseline Scan Using the Agilent E4407B Spectrum Analyzer

- Figure 9 is a “200 kHz to 2 MHz scan, which includes the AM broadcast band spanning 540 kHz to 1.8 MHz” (Sasarita, 2013, p. 2-9).
- Each scan requires 401 lines on an Excel spreadsheet of frequency in MHz vs. signal strength in dB.
- “The two tall spikes near the right side are two local high-powered AM broadcast stations on 1.42 MHz and 1.47 MHz” (Sasarita, 2013, p. 2-9).

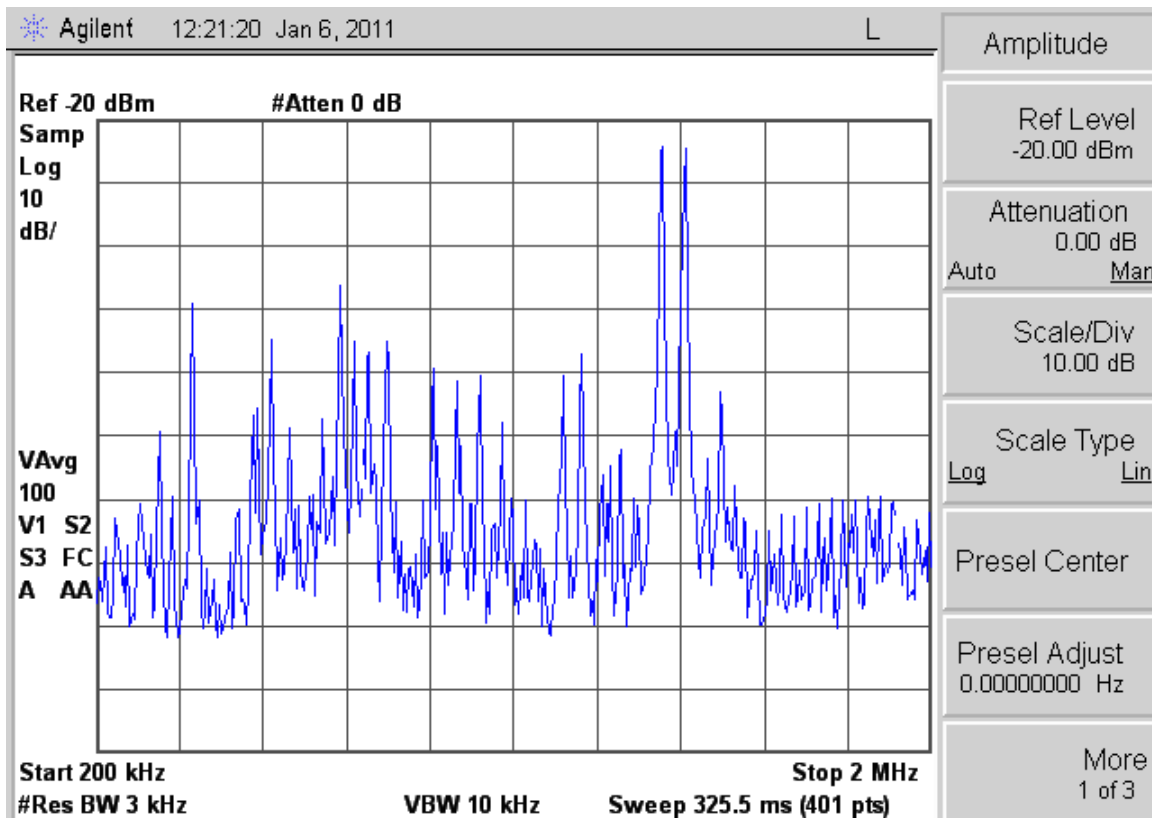


Figure 9. Ambient Spectrum Sample for 200 kHz to 2 MHz for 6 January 2011
(from Sasarita, 2013, p. 2-9)

5. Technical Analysis

a. Baseline Scan Using the RSM

- The same method was used for analyzing the scan data collected with both receiver types and will be explained in detail for the Rohde & Schwarz EM100 (Sasarita, 2013, p. 2-9)

- Prior to the erection of the wind turbine, ambient scans were conducted on three consecutive days—10–12 January 2011 (Sasarita, 2013, p. 2-9).
- Data collected was imported into an Excel spreadsheet in the form of 4,000 point lists of frequency vs. minimum, maximum, and median signal strengths (Sasarita, 2013, p. 2-9).
- After imported into Excel, the maximum signal level columns for the three days were averaged; resulting in one value of signal strength for future comparison with data collected after the wind turbine was erected (Sasarita, 2013, p. 2-10).
- “The maximum signal strength data columns from the respective frequency scans collected after the wind turbine was erected was subtracted from the averaged ambient signal strength data. This resulted in a value of the difference between the two signal strengths per each of the 4,000 individual frequency points.” (Sasarita, 2013, p. 2-10).
- “The column of 4,000 individual signal levels were summed for a total variance then divided by 4000 to obtain a single point variance in signal strength for that 100 MHz range of frequencies” (Sasarita, 2013, p. 2-10).
- “Nineteen 100 MHz segments were analyzed in this way (Sasarita, 2013, p. 2-10).

b. Baseline Scan Using the Agilent E4407B Spectrum Analyzer

- Ambient scans were collected using the Agilent E4407B Spectrum Analyzer vice the RSM with the Rohde & Schwarz EM100 (Sasarita, 2013, p. 2-10).
- Data collected was imported into an Excel spreadsheet in the form of 401-point lists of frequency vs. minimum, maximum, and median signal strengths vice the 4,000 used with the RSM data (Sasarita, 2013, p. 2-10).

C. ELECTRONIC SIGNATURES DURING CONSTRUCTION

The assembly cranes arrived on site on or about 10 January 2011 with assembly beginning on 12 January 2011.

Wind turbine sections arrived beginning 14 January 2011, and assembly was completed on 19 January 2011. The cranes used to assemble the turbine departed site on 26 January 2011.

Selected pictures of the installation are located at Appendix A.

1. Objective

Provide new RF signatures for comparison with signatures earlier recorded, prior to construction, and later recorded, following construction, to identify changes that could potentially impact training or testing (Sasarita, 2013, p. 2-11). Results of this analysis were used to tailor subsequent tests of Army radar, electronic warfare, and communications systems (p. 2-11).

2. Criteria

Record a new omni-directional baseline electronic signature of the area to identify any significant changes. In particular looked for emanations from the turbine, transformers, and connecting power lines.

3. Procedures

Same as Pre-Construction.

Performed the same measurements after the grid was connected, but the turbine was not yet operational.

4. Findings

a. RF Scan Using the RSM During Construction

Similar to Pre-Construction.

b. RF Scan Using the Agilent E4407B Spectrum Analyzer During Construction

Similar to Pre-Construction.

5. Technical Analysis

a. RF Scan Using the RSM During Construction

- “Data from six days in January 2011 (22, 23, 27, 28, 29, and 30) was averaged together” (Sasarita, 2013, p. 2-13).
- The resulting median frequency for each 100 MHz block vs. the single point variance in signal strength for that block were used to generate the graph shown in Figure 10 (Sasarita, 2013, p. 2-13).

- “The graph shows a broadband signal loss in the vicinity of the wind turbine” (Sasarita, 2013, p. 2-13).

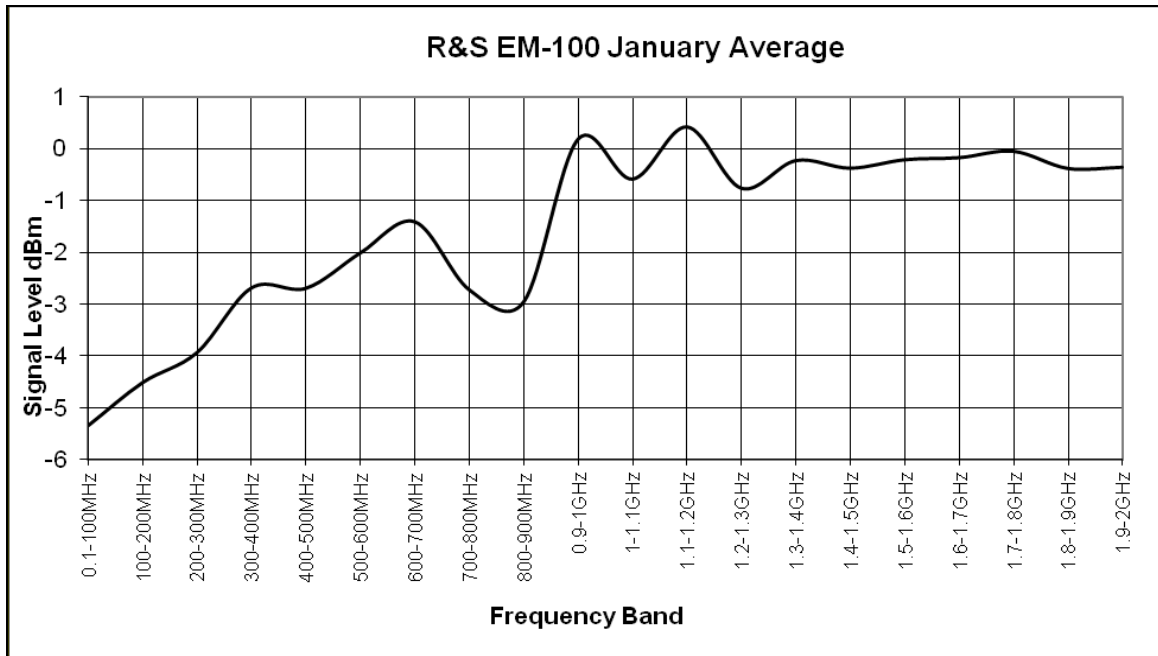


Figure 10. Comparison Between the Ambient Signal Level and 22, 23, 27, 28, 29, and 30 January 2011 Averaged Signal Levels Using Scans from the R&S EM-100 Receiver (from Sasarita, 2013, p. 2-14)

b. RF Scan Using the Agilent E4407B Spectrum Analyzer During Construction

- The graph shown in Figure 11 was compiled from an average of the scans from 14, 17, 18, 27, and 28 January 2011 compared to the ambient signal levels before the wind turbine was constructed (Sasarita, 2013, p. 2-13).
- Both graphs (Figures 10 and 11) “are similar in that they show an overall RF signal degradation” (Sasarita, 2013, p. 2-13).
- Both show small signal strength excursions above 0 dB caused by random transmissions in the business bands that occurred during data collection after construction that were not there when the ambient scans were made (Sasarita, 2013, p. 2-13).

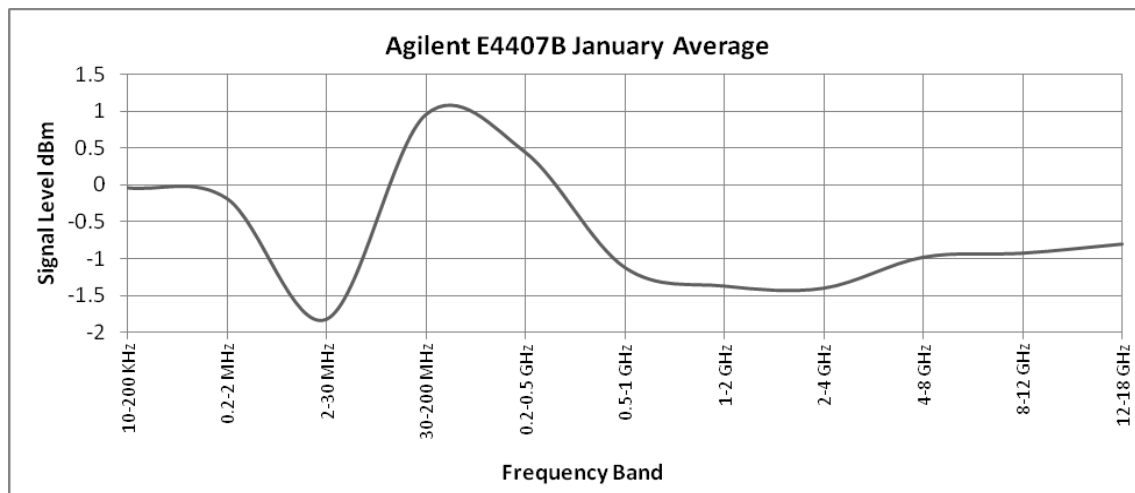


Figure 11. Comparison Between the Ambient Signal Level and 14, 17, 18, 27, and 28 January 2011 Averaged Signal Levels Using Scans from the Agilent E4407B Spectrum Analyzer (from Sasarita, 2013, p. 2-14)

c. Additional Analysis

An example of random transmissions is shown in Figure 12 using the Rohde & Schwarz EM100 (Sasarita, 2013, p. 2-15). The scan shows activity in the 902–928 MHz Industrial, Scientific, and Medical (ISM) band, which is also used for private land mobile service and amateur radio (p. 2-15). This band of frequencies is digital modulation, is changing from day to day, and happened to not be very active on the days that ambient scans were done (p. 2-15).

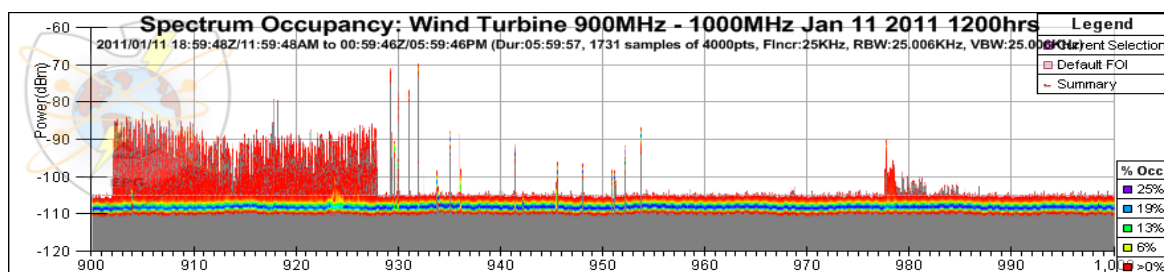


Figure 12. Ambient Spectrum Sample for 900 MHz to 1000 MHz for 11 January 2011 (from Sasarita, 2013, p. 2-15)

Figure 13 (using the Rohde & Schwarz EM100) shows two more examples of transient interference causing the depression at the 1 to 1.1 GHz data point in the graph in

Figure 9 (Sasarita, 2013, p. 2-15). The signal at 1030 MHz is the AN/TPX-54 identification friend or foe (IFF) system on the aerostat operating at approximately 5,000 feet above the wind turbine site (p. 2-15). The spike at 1,090 MHz is the AT-150 transponder onboard the aerostat that identifies its position on the radar at the local (Sierra Vista Municipal) Airport (p. 2-15). The signal strength indicated in the scan would depend on wind direction controlling the position of the aerostat in relation to the monitoring location and would change considerably as the aerostat position changes (p. 2-15). These are local factors that are uncontrollable (p. 2-15).

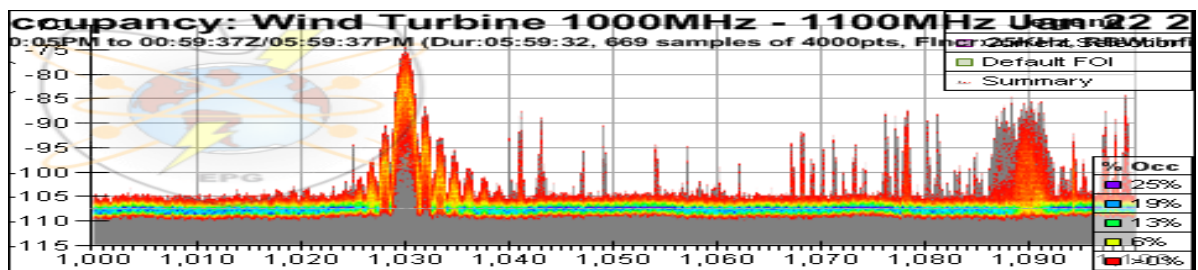


Figure 13. Ambient Spectrum Sample for 1000 MHz to 1100 MHz for 22 January 2011 (from Sasarita, 2013, p. 2-15)

It appears that the wind turbine is behaving like an RF sink, shorting sky wave RF signals to ground. This is attributed to the steel turbine tower being connected directly to ground instead of being insulated from the ground at the base as an antenna would. The same result would occur in the vicinity of a cellular tower or any other tall grounded metal structure. Finding this broad band RF signal attenuation effect was unplanned and unexpected.

D. POST-CONSTRUCTION ELECTRONIC SIGNATURES

1. Objective

The original objective is as follows:

Provide new RF signatures for comparison with signatures earlier recorded prior to construction and later recorded following construction completion to identify changes that could potentially impact training or testing. Results of that analysis will be used to tailor subsequent tests of

Army radar, electronic warfare, and communications systems. (Sasarita, 2013, p. 2-22)

“Due to delays in the construction and acceptance of the wind turbine, a period of time in excess of eight months passed between the measurements before construction and after construction completion” (Sasarita, 2013, p. 2-22). During this extended period of time natural changes in the EME that likely occurred make it impossible to distinguish what changes were natural, ambient events and which were attributable to the wind turbine.

Therefore, the new objective was modified as follows (Sasarita, 2013, p. 2-22):

Provide new RF signatures for comparison. Signatures to be compared will be between those taken when the turbine is installed but not operating (not rotating or generating power) and those taken when the turbine is operating (rotating and generating power). (Sasarita, 2013, p. 2-22)

Results of that analysis were used to tailor subsequent tests of Army radar, electronic warfare, and communications systems.

2. Criteria

Record a new electronic signature of the area to identify any significant changes between the time when the turbine is operating and not operating (Sasarita, 2013, p. 2-23). In particular, look for emanations from the turbine, transformers, and connecting power lines (p. 2-23).

- Omni-directional scans similar to Pre-Construction. However, omni-directional monitoring was extended to cover a wide range of weather and wind conditions (speeds and directions).
- Directional monitoring supplemented omni-directional monitoring to investigate anomalies, as required
- Ran the scans long enough to determine if wind speed had any effect

“Wind speed, wind direction, and power production data was collected from the turbine’s Supervisory Control and Data Acquisition (SCADA) data system” (Sasarita, 2013, p. 2-23).

3. Procedures

Same as Pre-Construction.

4. Findings

Signals in the vicinity of the wind turbine, located on Ft. Huachuca's South Range, were measured to determine any impact to the RF environment caused by the introduction of the wind turbine. This was done by taking measurements of the RF spectrum before and after the wind turbine was constructed. The comparison of the raw data showed little difference. However, the differences were magnified when summed together.

RF signals between 10 kHz and 18 GHz were measured approximately 350 feet north of the wind turbine, before and after the cranes and wind turbine were in place. The wind turbine software measures the prevailing wind and removes the blades' brake once it senses sufficient wind is available, allowing the blades to rotate. In addition, the nacelle is automatically positioned to face the direction of prevailing winds. When the wind speed reaches its designated threshold, the brakes are applied to protect the turbine from damage.

The data indicates that the RF signals measured after the wind turbine was constructed have been attenuated. It appears that the wind turbine is behaving like an RF sink, shorting sky wave RF signals to ground. This is attributed to the steel turbine tower being connected directly to ground instead of being insulated from the ground at the base as an antenna would. If the tower were insulated from ground, it would behave like an antenna.

5. Technical Analysis

Our data demonstrates that signal degradation for radio signals and the interference to the ASR presented by the single wind turbine is minimal. The impact in radio communications is minimal. However, HF and VHF radios are still susceptible to frequency fading, time dependent fading, Doppler spread, depolarization, signal reflection, and signal refraction and may encounter interference when using the

frequencies listed in Table 5. Frequencies half way between consecutive harmonics should be used to cause the least amount of interference.

Although the Airport Surveillance Radar (ASR) is susceptible to the Doppler interference from the Wind Turbine, due to its location, it is partially masked by the terrain and the distance places the turbine blades outside the ASR angle zone of interest.

E. RF TRANSMISSION WITH AND WITHOUT TURBINE IN SIGNAL PATH

RF monitoring was conducted before and after the construction of the wind turbine from 100 KHz to 18 GHz at two locations near the wind turbine site. Comparison of the scans done before the wind turbine tower was constructed to scans done after the wind turbine was in place indicated that there was a noticeable loss of radio frequency (RF) energy in the vicinity of the structure of up to approximately 6 dB. These results were unexpected and therefore not planned for, so the question remains as to the size of the area affected by the signal loss and the associated frequencies. (Sasarita, 2013, p. 2-26)

A test was conducted February 1, 2012 consisting of monitoring RF signals while driving both toward and away from the wind turbine site (Sasarita, 2013, p. 2-26). A local radio tower (KTAN) carrier signal (1.420 MHz) transmitting approximately three miles to the northeast of the wind turbine site was noticed to drop off by 3.38 dB at the entrance to the wind turbine site (p. 2-26). Another 4.69 dB was lost while moving closer to the turbine (p. 2-26). The total loss was 8.07 dB, which increased substantially as the tower structure was approached (p. 2-26). “Radio station K101’s signal at 100.9 MHz FM, originating from the same transmit site as KTAN, was noticed to change in signal strength with the rotation of the wind turbine blades” (p. 2-26). This effect was seen to be the greatest near the vicinity of the wind turbine site and 15 dB directly under the blades (p. 2-26).

1. Objective

Define a perimeter of influence to remain clear of while conducting future testing near the wind turbine site (Sasarita, 2013, p. 2-26).

Determine the frequency signal strength fluctuations start to occur due to the spinning wind turbine blades and the perimeter at which this affect starts (Sasarita, 2013, p. 2-26).

Determine the signal loss due to shading when directly behind the wind turbine with the tower structure directly in the path of the signal (Sasarita, 2013, p. 2-26).

2. Criteria

The test criteria will be defined as a signal reduction or increase of at least one dB as the wind turbine is either approached or passed. Testing will be conducted according to the frequencies and power levels listed in Table 3.

Table 3. RF CW Test Frequencies and Expected Signal Levels Along Garden Canyon Road (from Sasarita, 2013, p. 2-27)

Unclassified										
Freq MHz	Transmit Antenna Model	Transmit Antenna Gain in dBi	Transmit Cable Loss in dB	Transmit Power in dBm	Transmit Power in Watts	Antenna Polarity	Receive Antenna Model	Receive Antenna Gain dBi	Mean distance from xmit site	Expected mean signal strength
2.00	Whip	-35.00	0.10	47	50	Vertical	SA7000	-25.00	10450	-75.90
14.90	Whip	-28.00	0.40	47	50	Vertical	SA7000	-18.00	10450	-81.65
30.00	Whip	-20.00	0.50	45	32	Vertical	SA7000	-15.00	10450	-81.83
60.00	JB-3	-1.8	0.8	45	32	Vertical	SA7000	-10.00	10450	-69.95
90.00	JB-3	1.5	0.9	45	32	Vertical	SA7000	-5.00	10450	-67.27
157.50	JB-3	1.8	1.3	45	32	Vertical	SA7000	-3.00	10450	-71.23
225.00	JB-3	6.4	1.5	45	32	Vertical	SA7000	-2.00	10450	-63.93
337.50	JB-3	6.7	1.9	45	32	Vertical	SA7000	-2.00	10450	-52.55
454.30	JB-3	6.8	2.3	45	32	Vertical	SA7000	-2.00	10450	-55.43
725.01	ETS 3181	-3	3	45	32	Vertical	ETS 3181	-3.00	10450	-67.99
1303.75	ETS 3181	0	4.2	45	32	Vertical	ETS 3181	-4.00	10450	-68.29
2970.02	ETS 3181	-3.1	6.8	45	32	Vertical	ETS 3181	-6.00	10450	-84.24
4500.20	ETS 3181	1.5	8.9	42	16	Vertical	ETS 3181	1.50	10450	-83.75
5999.00	ETS 3181	1.1	10.7	42	16	Vertical	ETS 3181	1.10	10450	-88.85

3. Procedures

- Position the CW transmit trailer at site Boston as shown in Figure 14 and proceed to transmit at the frequencies and power levels listed in Table 3, one frequency at a time (Sasarita, 2013, p. 2-28)
- When transmitting at 2 MHz and 14.9 MHz, use the ground mounted HF Stryker whip antenna with the auto tuner. Start at 2 watts and allow the tuner to match the antenna before increasing the power to 50 watts (Sasarita, 2013, p. 2-28)

The test course will extend from the northeast to the entrance of the wind turbine site 2,000 feet away (Sasarita, 2013, p. 2-28). Using a portable spectrum analyzer connected to an omni-directional antenna mounted on top of the cab, record the signal level at the start and every 100 feet along the road for the last 1,000 feet of the test course or as soon as signal fluctuations are noticed. Wait for any traffic to pass before reading and recording signal levels.

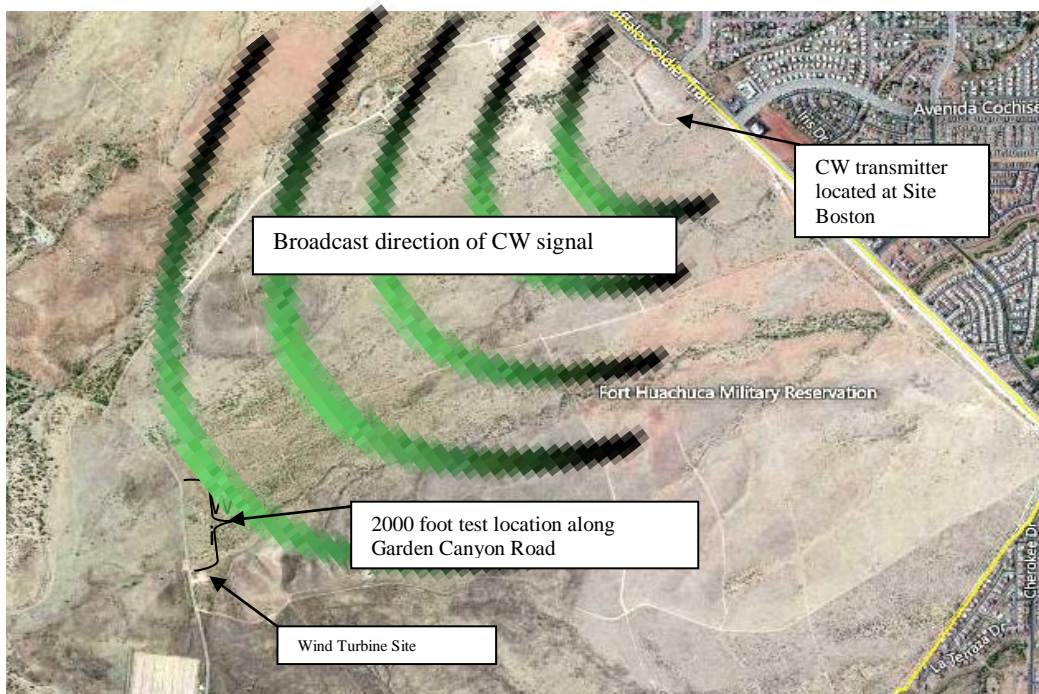


Figure 14. Map Showing the Wind Turbine Site on Garden Canyon Road and RF CW Transmit Antenna Location (from Sasarita, 2013, p. 2-29)

Record any drop in signal level while passing behind the wind turbine structure (Sasarita, 2013, p. 2-29).

If rhythmic fluctuations are noticed in the signal, record the frequency and distance from the wind turbine when first noticed (Sasarita, 2013, p. 2-29).

Settings.

- The Agilent N9342CN spectrum analyzer will be used for all measurements. Turn the preamp to on, and set the “Ref Level” as required for an on-scale reading. Set “Center Freq” to the frequency under test and the “Span” to 1KHz. All other settings will remain in “Auto.” Select “Shift” then “Peak Marker” for a displayed on screen power level of the signal (Sasarita, 2013, p. 2-29).
- Adjust the transmit power levels on the amplifiers to indicate the power listed in Table 1 for the frequency under test (Sasarita, 2013, p. 2-29).
- When transmitting at 2 MHz and 14.9 MHz while using the ground mounted HF whip antenna and SGC auto tuner, observe the VSWR on the panel of the transmit amplifier. If the VSWR reaches the level at which the amplifier shuts down, extend the length of the ground radials and try again (Sasarita, 2013, p. 2-29).

4. Data Required

- Record both maximum and minimum levels in signal strength at each test point as the wind turbine site is approached. This will be accomplished by using “Max Hold” and “Min Hold” on the spectrum analyzer (Sasarita, 2013, p. 2-30).
- Record the time of day, weather, and any other factors that may impact the test (Sasarita, 2013, p. 2-30).
- Record GPS coordinates of the transmit site and each test point (Sasarita, 2013, p. 2-30).

List all equipment used to perform the test, along with serial numbers and calibration dates.

5. Data Analysis/Procedure

Graph the data for signal strength vs. distance from the wind turbine (Sasarita, 2013, p. 2-30). Use the spreadsheet provided that includes the math to do this.

Look for a reduction in signal strength in the graphs while comparing data from all of the test frequencies to establish the distance at which the signal level is reduced by 3 dB. This distance will then be used to establish a perimeter around the wind turbine inside which future testing should not be conducted.

RF field measurements will be made starting at a distance of 767 yards away from the wind turbine, along Garden Canyon Road (Sasarita, 2013, p. 2-30), and moving towards the turbine. Measurements made at a greater distance would be invalid due to shading in the RF path caused by a hill located between the transmit site and Garden Canyon Road. Table 4 shows the test point distances from the wind turbine. These distances were first measured using a laser range finder then verified by calculating the distance using GPS coordinates.

Table 4. Test Point Distances Along Garden Canyon Road (after Sasarita, 2013, p. 2-28)

Calculated and Measured Distance from Each Test Point to the Wind Turbine						
---	--	--	--	--	--	--

Wind Turbine Latitude	31.505381	31.505381	31.505381	31.505381	31.505381	31.505381
Wind Turbine Longitude	-110.317505	-110.317505	-110.317505	-110.317505	-110.317505	-110.317505
Test Point Latitude	31.511407	31.510636	31.510027	31.509349	31.508653	31.507947
Test Point Longitude	-110.319702	-110.319067	-110.318749	-110.318668	-110.318633	-110.318568
Calculated Distance	767.37	659.23	579.51	497.36	414.72	330.93
Range Finder	767	659	579	497	415	331

Wind Turbine Latitude	31.505381	31.505381	31.505381	31.505381
Wind Turbine Longitude	-110.317505	-110.317505	-110.317505	-110.317505
Test Point Latitude	31.507244	31.506553	31.50619	31.505736
Test Point Longitude	-110.31848	-110.318392	-110.318342	-110.318273
Calculated Distance	248.08	169.61	131.18	90.57
Range Finder	248	169	132	90

Wind Turbine Latitude	31.505381	31.505381	31.505381	31.505381	31.505381	31.505381
Wind Turbine Longitude	-110.317505	-110.317505	-110.317505	-110.317505	-110.317505	-110.317505
Test Point Latitude	31.505872	31.505827	31.505783	31.50575	31.50571	31.505675
Test Point Longitude	-110.31759	-110.317575	-110.317563	-110.317553	-110.317545	-110.317538
Calculated Distance	60.35	54.72	49.25	45.15	40.22	35.92

Range Finder	60	55	50	45	40	35
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Wind Turbine Latitude	31.505381	31.505381	31.505381	31.505381	31.505381	31.505381
Wind Turbine Longitude	-110.317505	-110.317505	-110.317505	-110.317505	-110.317505	-110.317505
Test Point Latitude	31.505629	31.505592	31.505552	31.505511	31.505468	31.505428
Test Point Longitude	-110.317527	-110.317518	-110.317512	-110.317503	-110.317498	-110.317496
Calculated Distance	30.24	25.69	20.81	15.81	10.60	5.79
Range Finder	30	25	20	15	10	5

Figures 15, 16, and 17 show graphs for frequency groups and the greatest distance where the signal level deviates by at least 3 dB from the linear trend line per group (p. 2-32).

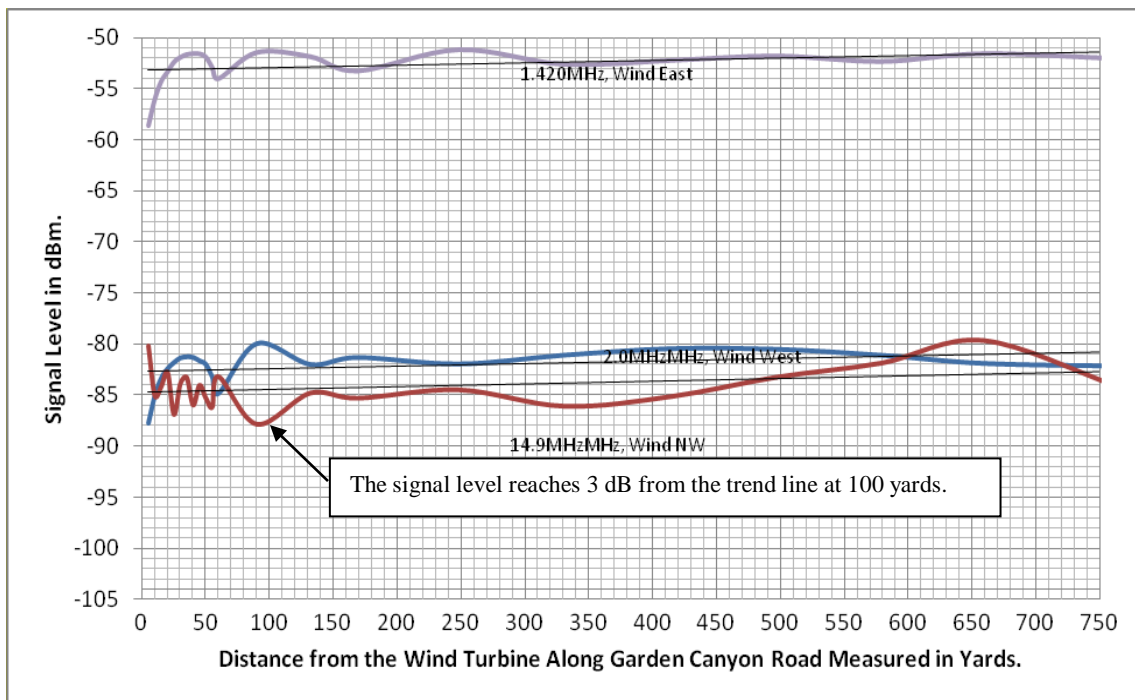


Figure 15. Signal Level in dB vs. Distance in Yards for 1.42 MHz to 14.9 MHz, Showing that the Signal Level Deviates by 3 dB from the Trend Line at 100 Yards (from Sasarita, 2013, p. 2-31)

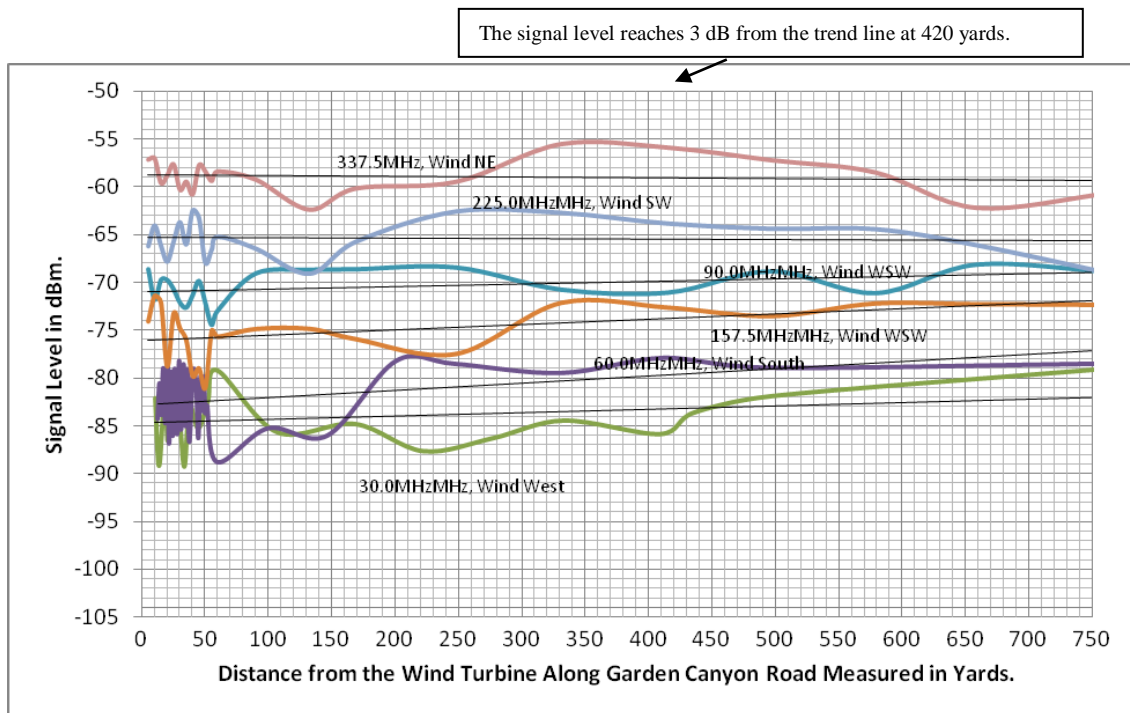


Figure 16. Signal Level in dB vs. Distance in Yards for 30.0 MHz to 337.5 MHz, Showing that the Signal Level Deviates by 3 dB from the Trend Line at 420 yards (from Sasarita, 2013, p. 2-31)

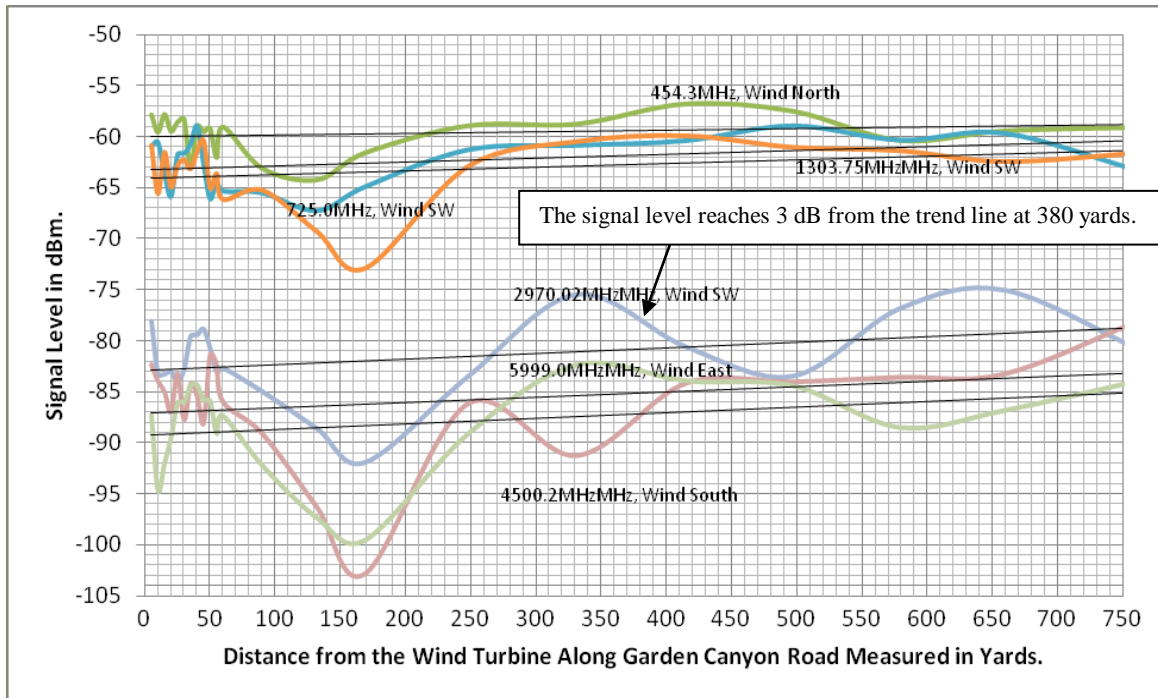


Figure 17. Signal Level in dB vs. Distance in Yards for 454.3 MHz to 5,999.0 MHz, Showing that the Signal Level Deviates by 3 dB from the Trend Line at 380 Yards (from Sasarita, 2013, p. 2-32)

Figures 15–17 establish a minimum test boundary around the wind turbine at 420 yards (Sasarita, 2013, p. 2-32) due to signal strength fluctuations per distance from the wind turbine. The signal strength for five of the test frequencies either increased or decreased by several dB from the start of the course at 750 yards toward the wind turbine at “zero” yards (p. 2-32). There was a hill shading the test route along Garden Canyon Road just before the start point at 750 yards that may have created standing waves at the higher frequencies that caused this effect (p. 2-32). The signal levels tended to level out as the wind turbine was approached until about 300 yards where they either start to increase or decrease at a high rate. The large signal level swings were greatest at the three highest frequencies tested where reflections from objects and terrain would have been greatest. If the wind turbine is causing the RF fields around it to fluctuate according to distance, these fluctuations should diminish with increasing distance, unlike that shown in Figure 17 at 2970.02 MHz where the signal peak at 640 yards is the same level as at 340 yards. This peak was also in line with the 5999 MHz peak and the 4500.2 MHz

valley. All three deviations were smaller than the deviations at 160 yards and should have continued to diminish had the ground been level. In this frequency set, the peak at 335 yards where it increased to 3 dB above the trend line was used as the limit. For the three figures, the furthest distance from the wind turbine where the signal level deviated from the trend line by 3 dB was for 337.5 MHz at 420 yards from the wind turbine.

Figures 18, 19, and 20 show the signal level swing from maximum to minimum caused by blade rotation (Sasarita, 2013, p. 2-33).

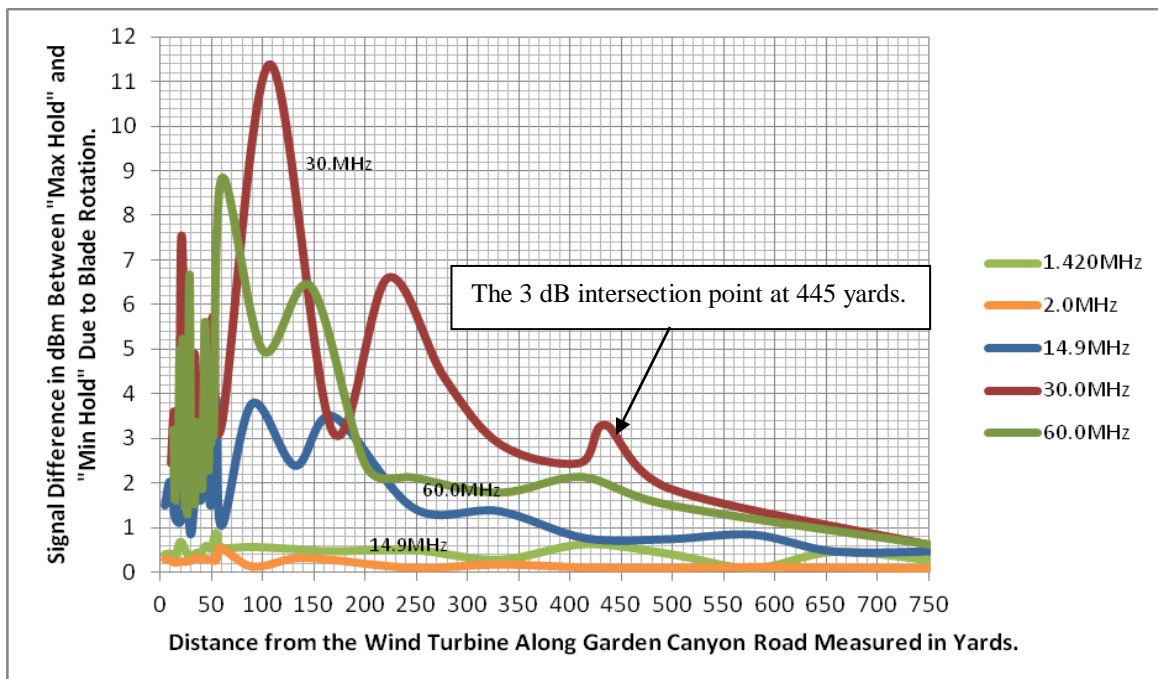


Figure 18. Signal Level Swing from Maximum to Minimum Caused by Blade Rotation for 1.42 MHz to 60 MHz Showing the 3 dB Intersection Point at 445 Yards for 30 MHz (from Sasarita, 2013, p. 2-33).

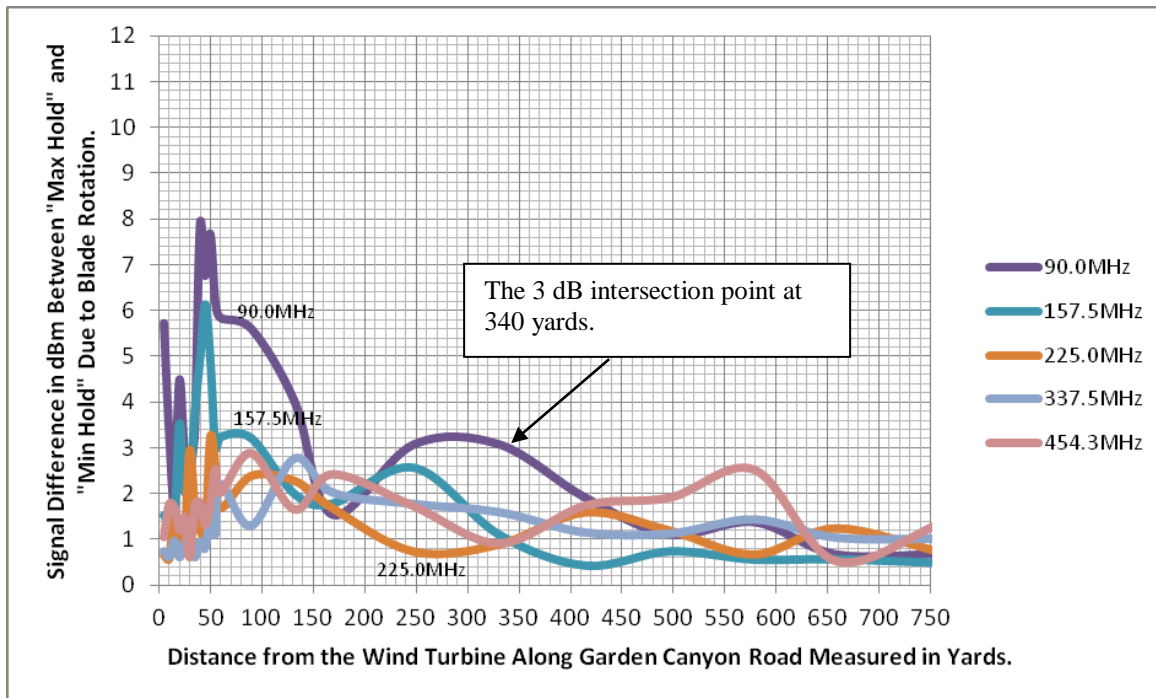


Figure 19. Signal Level Swing from Maximum to Minimum Caused by Blade Rotation for 90 MHz to 454.3 MHz Showing the 3 dB Intersection Point at 340 Yards for 90 MHz (from Sasarita, 2013, p. 2-34)

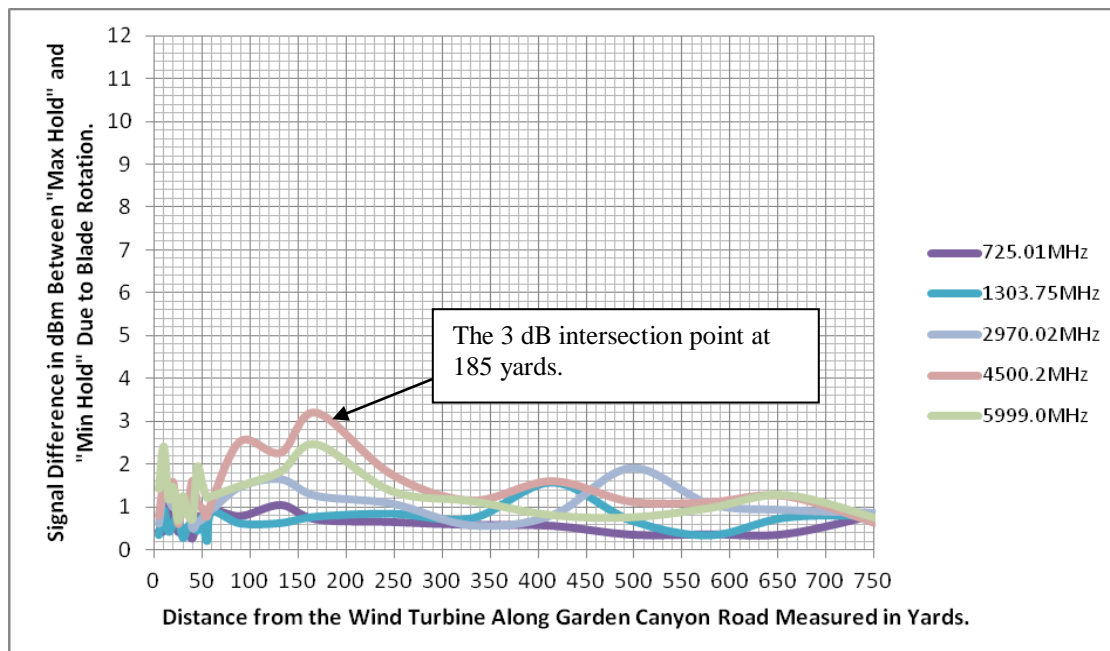


Figure 20. Signal Level Swing from Maximum to Minimum Caused by Blade Rotation for 725.01 MHz to 5999 MHz Showing the 3 dB Intersection Point at 185 Yards for 4500.2 MHz (from Sasarita, 2013, p. 2-34)

Ten data points were used from 750 yards to 90 yards, then 12 data points from 60 yards to 5 yards. “More data points were used close to the tower to illustrate the standing waves created by the tower structure” (Sasarita, 2013, p. 2-32). At 30 MHz and 90 MHz, data was collected at maximum and minimum points instead of at 5 yards increments (p. 2-32). This was done to again illustrate the standing wave pattern (p. 2-32).

Data points were collected for 1.42 MHz, a local radio station because their transmit antenna was located directly in line with the test transmit antenna West of Site Boston. It illustrates as does data at 2 MHz that the wind turbine structure has little effect at low frequencies unless very close to the tower.

The 30 MHz graph line in Figure 16 establishes a minimum test boundary around the wind turbine at 445 yards due to signal strength fluctuations of 3 dB caused by blade rotation on the wind turbine. The distance of 445 yards due to blade rotation is further from the wind turbine than that shown in Figure 16 at 337.5 MHz caused by standing wave patterns around the wind turbine structure. Therefore, the overall perimeter inside of which there is a disruption to RF signals greater than 3 dB is 445 yards from the wind turbine. A test boundary of 500 yards would provide for a margin of error of about 10%.

The basic resonance of the wind turbine blades occurs at 2.5 MHz for the blade structure made up of both blades. Based on this, Table 5 predicts whole number multiples of this resonant frequency where the lightning protection grounding wires inside the blade structure acts as a multiple wavelength resonant antenna exhibiting gain and the ability to broadcast any received RF signal.

Table 5. The Harmonic Multiple of the Wind Turbine Blade Resonance at 2.5 MHz Up to 225 MHz with the Test Frequencies Highlighted with the Largest Signal Level Deviations (from Sasarita, 2013, p. 2-37)

Harmonic Multiple	Resonant Frequency	Harmonic Multiple	Resonant Frequency	Harmonic Multiple	Resonant Frequency	Harmonic Multiple	Resonant Frequency	Harmonic Multiple	Resonant Frequency	Harmonic Multiple	Resonant Frequency
1	2.5	16	40.0	31	77.5	46	115.0	61	152.5	76	190.0
2	5.0	17	42.5	32	80.0	47	117.5	62	155.0	77	192.5
3	7.5	18	45.0	33	82.5	48	120.0	63	157.5	78	195.0
4	10.0	19	47.5	34	85.0	49	122.5	64	160.0	79	197.5

Harmonic Multiple	Resonant Frequency	Harmonic Multiple	Resonant Frequency	Harmonic Multiple	Resonant Frequency	Harmonic Multiple	Resonant Frequency	Harmonic Multiple	Resonant Frequency	Harmonic Multiple	Resonant Frequency
5	12.5	20	50.0	35	87.5	50	125.0	65	162.5	80	200.0
6	15.0	21	52.5	36	90.0	51	127.5	66	165.0	81	202.5
7	17.5	22	55.0	37	92.5	52	130.0	67	167.5	82	205.0
8	20.0	23	57.5	38	95.0	53	132.5	68	170.0	83	207.5
9	22.5	24	60.0	39	97.5	54	135.0	69	172.5	84	210.0
10	25.0	25	62.5	40	100.0	55	137.5	70	175.0	85	212.5
11	27.5	26	65.0	41	102.5	56	140.0	71	177.5	86	215.0
12	30.0	27	67.5	42	105.0	57	142.5	72	180.0	87	217.5
13	32.5	28	70.0	43	107.5	58	145.0	73	182.5	88	220.0
14	35.0	29	72.5	44	110.0	59	147.5	74	185.0	89	222.5
15	37.5	30	75.0	45	112.5	60	150.0	75	187.5	90	225.0

RF signals from 2.5 MHz up through the Very High Frequency (VHF) (Sasarita, 2013, p. 2-35) band are reradiated by the conductor used for lightning protection (p. 2-38). As the high end of the VHF band, near 300 MHz is reached, RF signals tend to be reflected by metal parts and the surface of the blades rather than reradiated by internal conductors (p. 2-38). This transition is gradual as seen in Figure 21 where re-radiation is greatest at 30 MHz, and then tends to lose efficiency as the number of wavelengths increases (p. 2-38). “At 225 MHz, a resonant peak still exists but is small in comparison to the lower frequencies. The theoretical gain that can be achieved at 16 wavelengths approaches 10 dB. The radiation pattern tends to narrow, developing a cone directed beyond the blade tips that is approximately 30 degrees wide. Because of this, signal fluctuations due to blade spin may be greatest edge on. As the frequency increases into the ultra high frequency (UHF) band and beyond into the microwave bands, the reflectivity of the blade surface becomes dominant, causing the widest signal strength fluctuations facing the blades instead of edge on” (p. 2-38).

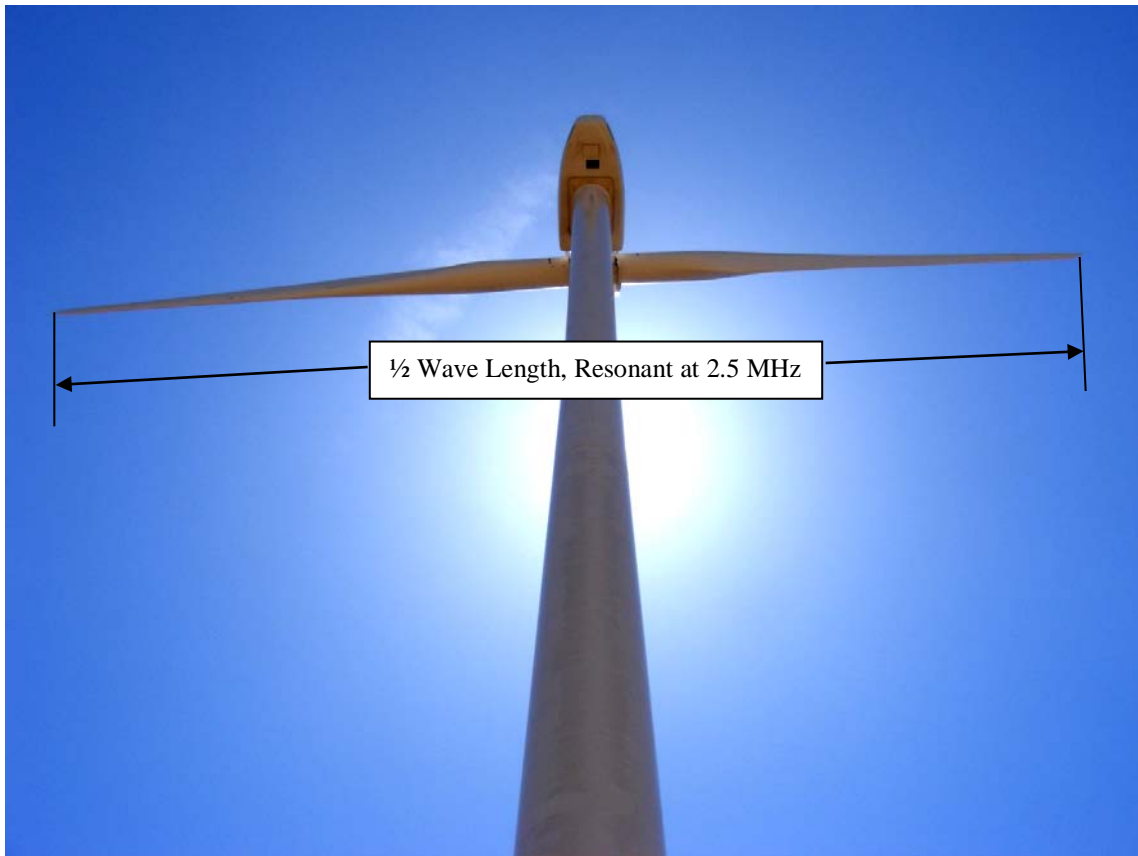


Figure 21. Wind Turbine Blades Showing the Resonant Frequency of 2.5 MHz for the Structure (from Sasarita, 2013, p. 2-36)

“The conductors in the wind turbine blades will reradiate all frequencies above 2.5 MHz” (Sasarita, 2013, p. 2-38) but frequencies that are whole number multiples will cause resonance, thus greatly increasing the efficiency of the re-radiation (p. 2-38). For this reason, if testing is conducted in the vicinity of this wind turbine, HF and VHF radios should avoid using any of the frequencies listed in Table 5 (p. 2-38). “Frequencies half-way between consecutive harmonics should be used to cause the least amount of interference” (p. 2-38).

F. OPERATIONAL SYSTEM TESTS

The premise of this operational system test was to determine any adverse impact the operational subject wind turbine may cause on a common device used by the Army.

The GPS receiver was selected as the common device and this section documents the result of that test (Hynes, 2012).

1. Test Objective

- Evaluate the influence of the Nordic 1 MW wind turbine on the performance of a GPS receiver (Hynes, 2012, p. 2).
- Determine if the wind turbine adversely masks the GPS Satellites or cause any other interference with a GPS receiver (Hynes, 2012, p. 2).
- Determine if the use of an EMI reduction device mitigate any negative impact of the wind turbine on the performance of the GPS receiver (Hynes, 2012, p. 2).

2. Test Criteria

No measurable perturbation in the GPS receive signal when operating in the vicinity of the wind turbine, with turbine blades spinning as well as stationary.

3. Test Procedures

Two PRO GPS/Serial Logger (PRO Logger, developed by EPG) systems were set up with one of the antennas deployed with an EMI shield (mounted on passenger side of HMMWV) and the other without a shield (mounted on driver side of HMMWV) (Hynes, 2012, p. 2). See Figures 22–24.



Figure 22. HMMWV Showing GPS Antennas Mounted on Each Side (after Hynes, 2012, p. 2)

Two PRO Orientation Sensors (developed by EPG) were set up in the back of the HMMWV, and two model GPS-018x-M16 GPS receivers inside the HMMWV cab. The orientation sensors record the orientation (heading, pitch, and roll) of the respective GPS receiver. The GPS receiver records its position as the HMMWV moves.



Figure 23. Orientation Sensors Mounted on Bench in Back of HMMWV (from Hynes, 2012, p. 3)



Figure 24. PRO Loggers (from Hynes, 2012, p. 3)

Drive the HMMWV around the wind turbine and record the GPS receiver signals and the Orientation Sensor measurements.

4. Data Required

GPS receive signals and Orientation Sensor measurements correlated with the position of the wind turbine, with turbine blades spinning as well as stationary.

5. Data Analysis/Procedure

The recorded signals and measurements were uploaded into the MPGPA Data Analyzer to display the GPS signals received. The position of the GPS receiver was then plotted on Google Earth. The Orientation Sensor measurements were plotted in Excel to display heading, pitch, and roll with respect to GPS time (UTC).

The number of satellites tracked by the PRO Logger varied between 6 and 11 during the entire test. The number of satellites tracked dropped to six when the turbine started and stopped as well as when the blades were stationary. Below the turbine, facing West, the number of satellites tracked was between 8 and 10. Measurements at this location were only taken with the turbine blades stationary.

The PRO Logger data plotted on Google Earth followed the route driven. Several plots were made (Figures 25–38) to illustrate that accurate GPS signals were received over the entire route travelled. Several Orientation Sensor plots were made and they were all similar to that shown in Figure 39.

a. *MPGPA-DA Plots for GPS with Antenna Unshielded*

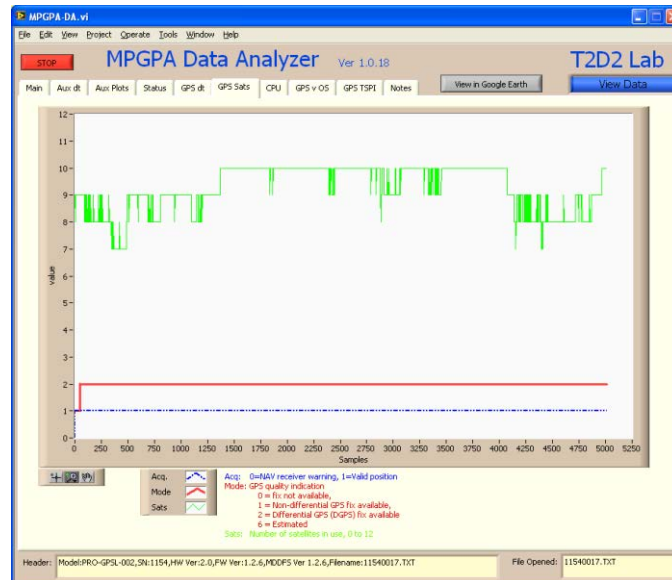


Figure 25. MPGPA-DA Plot Showing GPS Performance (No EMI Shield, Turbine Blades Stationary) (from Hynes, 2012, p. 10)

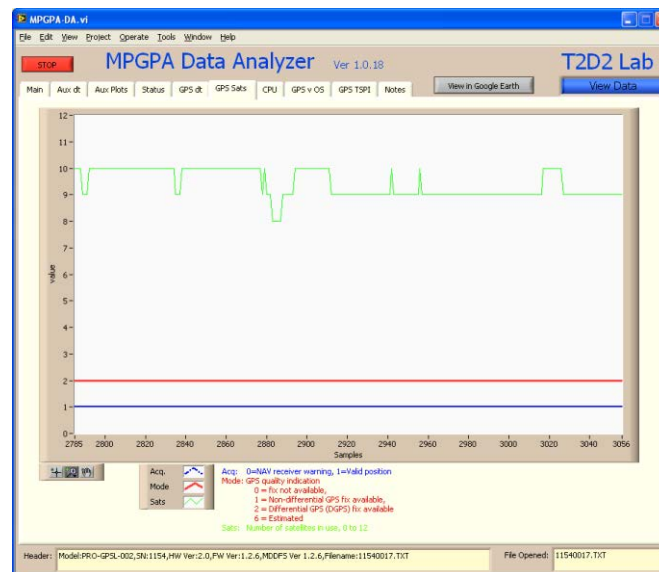


Figure 26. Below Wind Turbine Facing West (No EMI Shield, Turbine Blades Stationary) (from Hynes, 2012, p. 12)



Figure 27. Notch Occurred While Moving GPS Over Survey Point, Not While Driving by Wind Turbine (No EMI Shield, Wind Turbine Starting and Stopping) (from Hynes, 2012, p. 24)

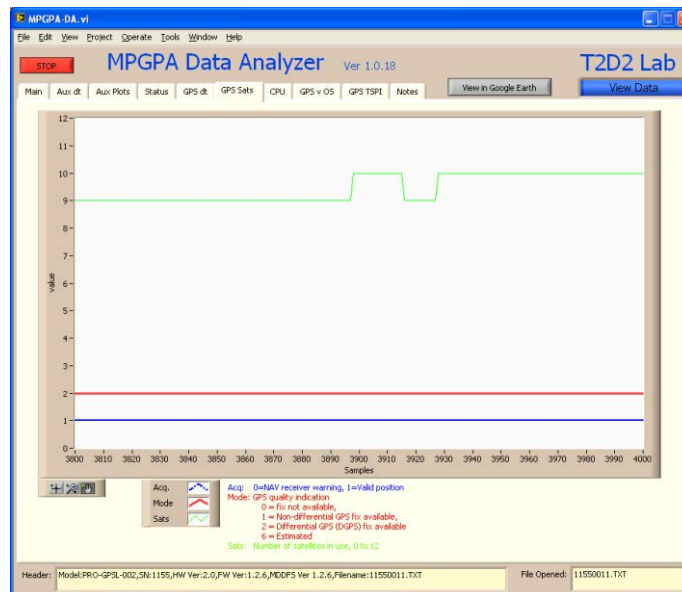


Figure 28. GPS Performance While Driving by Wind Turbine (No EMI Shield, Wind Turbine Starting and Stopping) (from Hynes, 2012, p. 26)

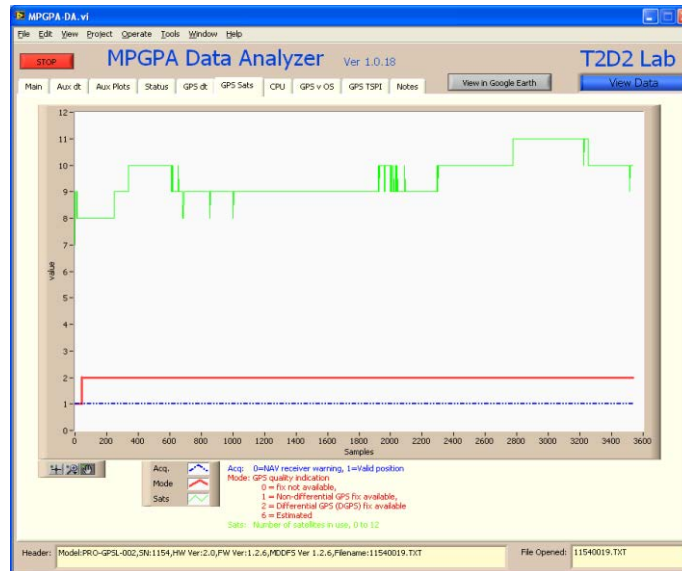


Figure 29. MPGPA-DA Plot Showing GPS Performance (No EMI Shield, Turbine Blades Spinning Continuously) (from Hynes, 2012, p. 38)

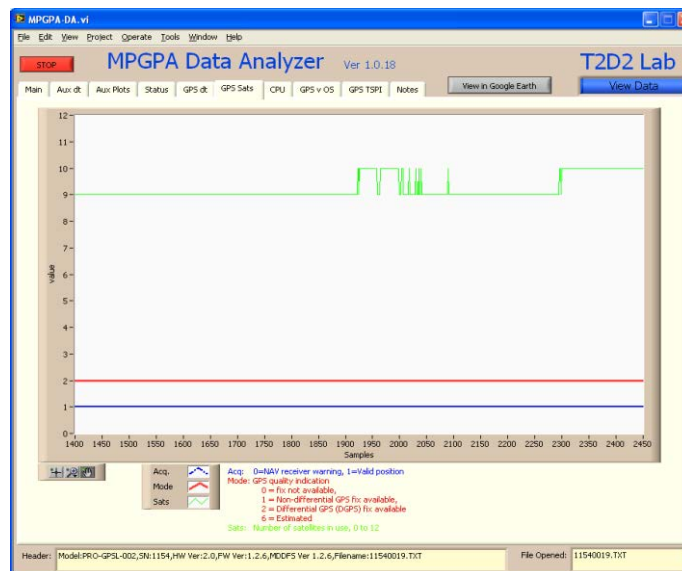


Figure 30. MPGPA-DA Plot Showing GPS Performance (No EMI Shield, Turbine Blades Spinning Continuously While Driving By) (from Hynes, 2012, p. 40)

b. MPGPA-DA Plots for GPS with Antenna Shielded

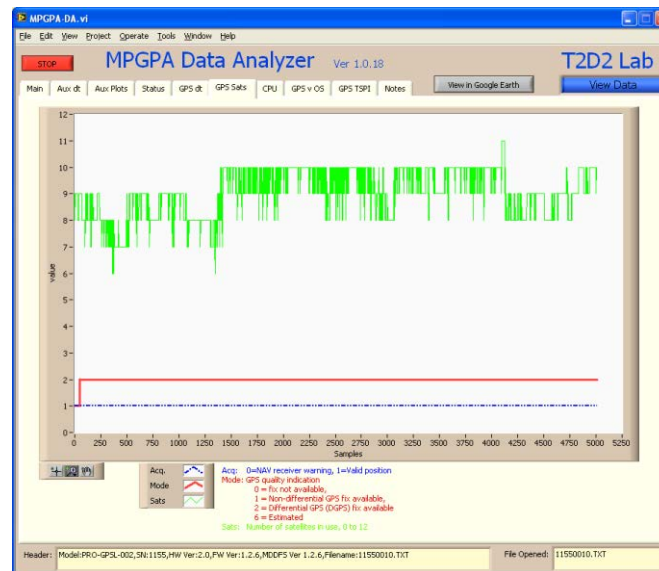


Figure 31. GPS Antenna with EMI Shield and Blades Stationary (from Hynes, 2012, p. 17)

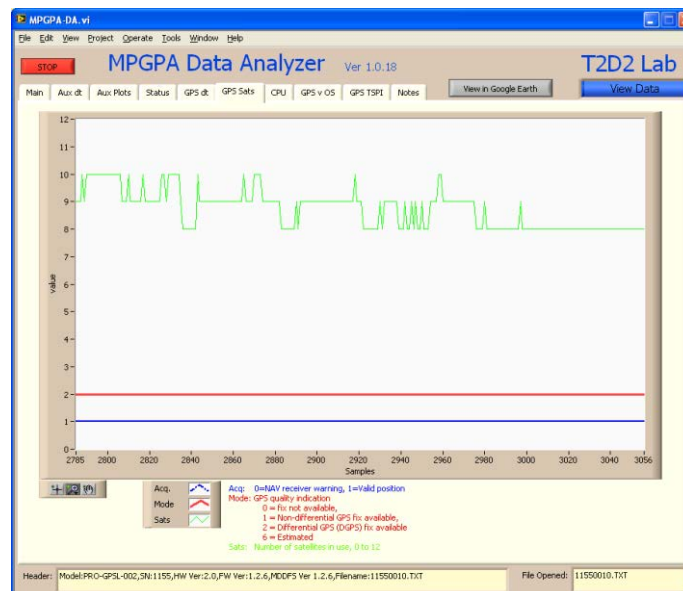


Figure 32. GPS Antenna with EMI Shield (Below Wind Turbine Facing West, Blades Stationary) (from Hynes, 2012, p. 19)

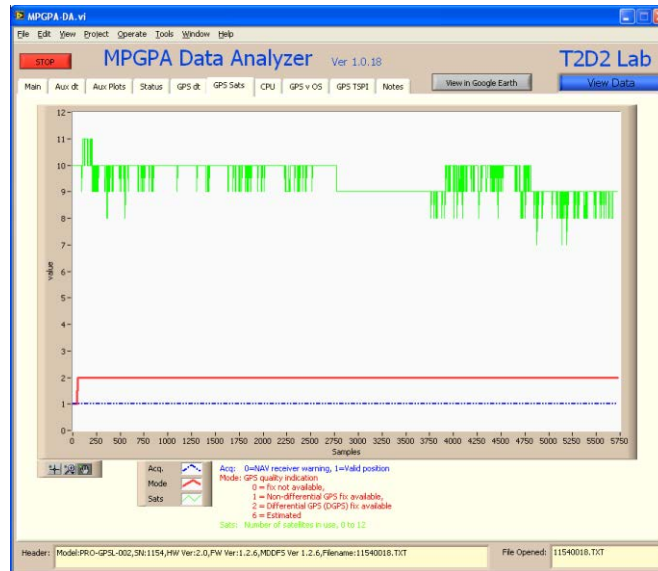


Figure 33. Turbine Starting Up, Then Shutting Down (GPS Antenna with EMI Shield) (from Hynes, 2012, p. 31)

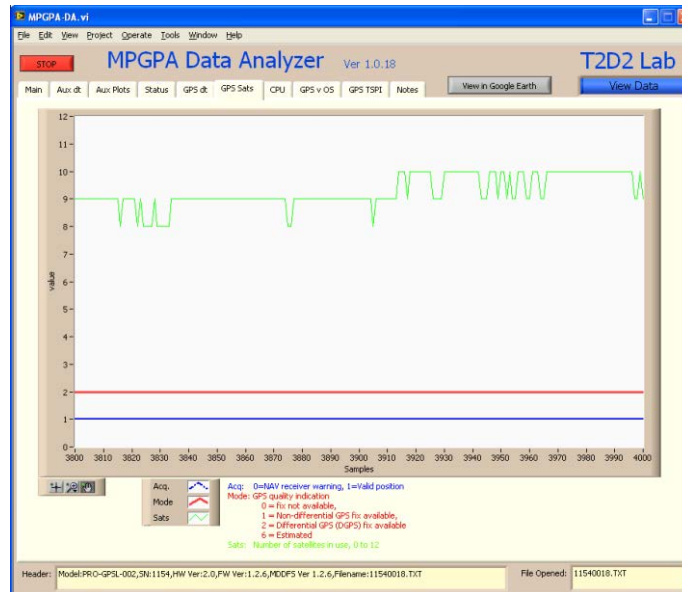


Figure 34. Turbine Starting Up, Then Shutting Down While Driving By (GPS Antenna with EMI Shield) (from Hynes, 2012, p. 33)



Figure 35. MPGPA-DA Plot Showing GPS Performance (GPS Antenna with EMI Shield, Turbine Blades Spinning Continuously While Driving the Entire Route) (from Hynes, 2012, p. 45)

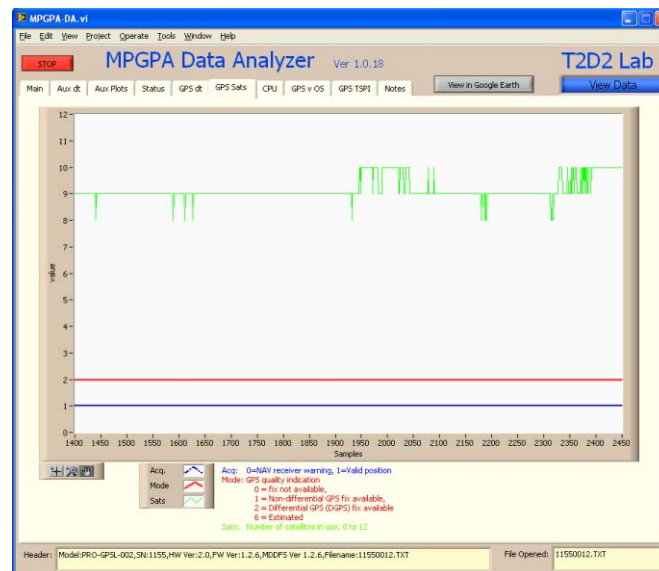


Figure 36. MPGPA-DA Plot Showing GPS Performance (GPS Antenna with EMI Shield, Turbine Blades Spinning Continuously While Driving By) (from Hynes, 2012, p. 47)

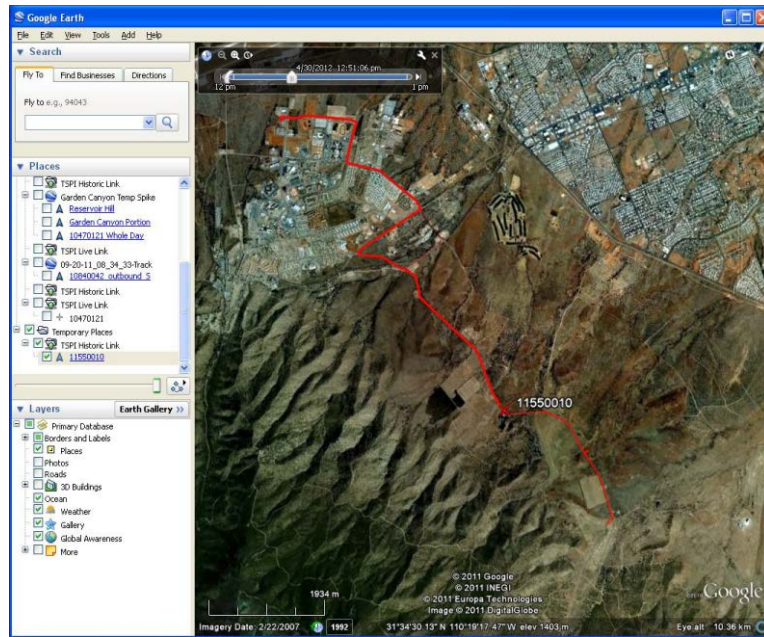


Figure 37. PRO Logger GPS Data for Entire Route Driven Plotted on Google Earth (from Hynes, 2012, p. 15)

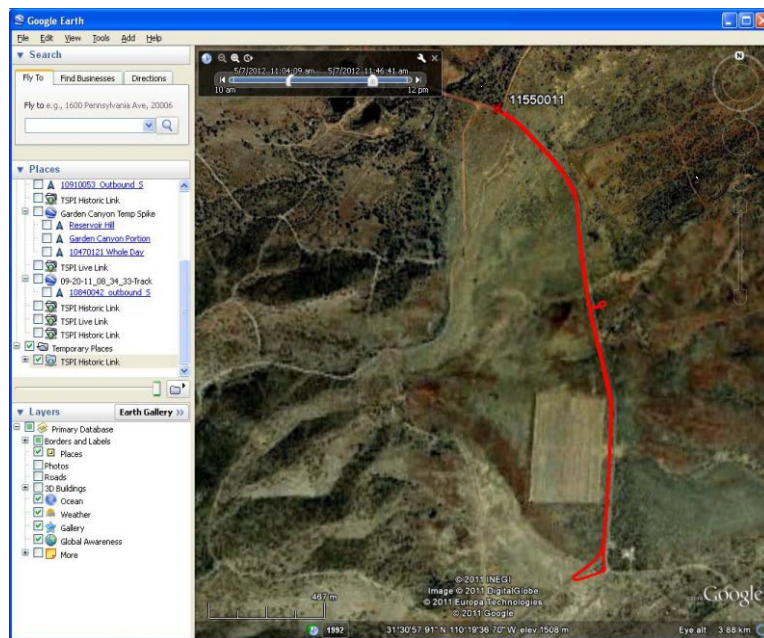


Figure 38. PRO Logger GPS Data for Route Near Turbine Plotted on Google Earth (from Hynes, 2012, p. 22)

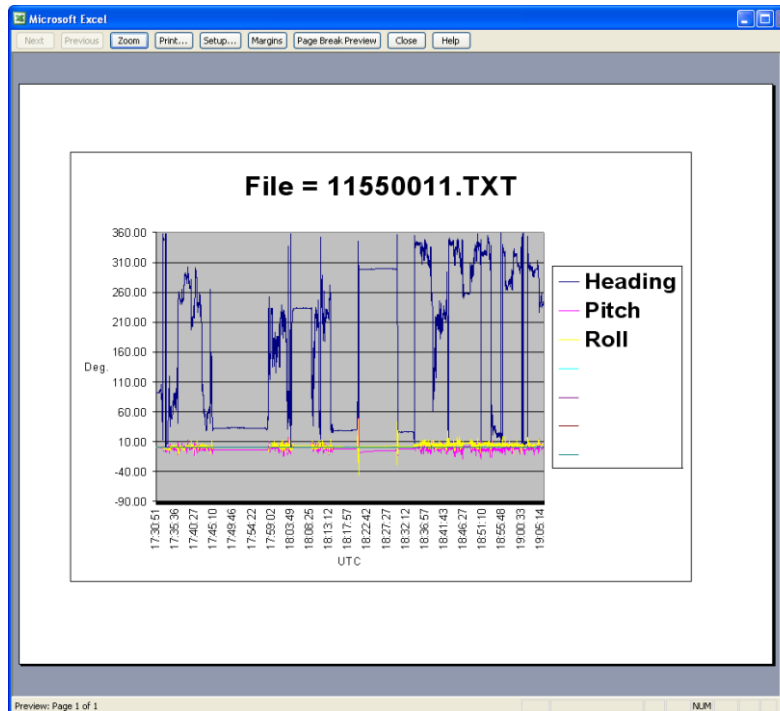


Figure 39. Orientation Sensor Plot (from Hynes, 2012, p. 21)

6. Conclusion

No measureable perturbation on GPS (Hynes, 2012, p. 34) was detected with the turbine blades spinning as compared to when they were stationary. There appeared to be no interference to GPS caused by the one MW Nordic Wind Turbine.

G. WIND TURBINES IMPACT ON RADAR AND MITIGATION METHODS

1. Summary

Long Range Radar (LRR), Digital Airport Surveillance Radars (ASR) and Tactical Radars coverage are impacted by the presence of wind turbines when the location of the radar, ground elevation, and height of the radar antenna and the direction of interest for the radar is in direct path with the proposed turbines area of interest, hub height, and rotor diameter (Defense Technology Strategy for the Demands of the 21st Century Ministry of Defense London, UK, 2005c). The impact of the wind farm turbines degrades the ability of the radar to detect aircraft directly within and behind the wind farm, creating blind zones and preventing the detection of aircrafts. The curvature of the

earth is considered as a factor when large distances are involved. The impact or degradation caused by the wind farm turbines will be reduced at longer distances and in some instances will not exist if they are below the Line of Sight (LOS). The elevation, azimuth of the radar transmitted signal varies during the radar actions for the Airport Surveillance Radars of surveillance, target tracking, target identification, in addition for the actions for Tactical Radars of electronic counter-countermeasures, target evaluation, missile tracking, and missile guidance.

RADAR (Radio Detection And Ranging) is an active sensor seeking to detect what is there in our environment. Common radars are “pulsed” that is, the transmitted signal is a short (pulse width in nanoseconds) pulse of radiofrequency, repeated periodically. During the time between two transmit pulses, the radar switches to receive mode to collect the returning echoes.

The radar transmitted signal frequency is affected when a radar signal beam impacts one of the turbine rotor blades while it is rotating, affecting the probability of detection (P_d) and creating a false return that the radar receiver processes as a real moving target. Although other aspects of the turbine, such as the tower and the hub produce signal returns that are not moving, these signal returns are filtered and are cataloged as clutter and not processed. Rotating wind turbine blades can cause a Doppler shift to any radar transmitted signal energy reflecting off the blades. These reflected signals become undesired signals on the radar receivers that are processed, converted and then seen on the display as aircraft moving about within the area of the wind farm. Returns from wind turbines blades are problematic since the turbine blades tips speeds may be similar to the speed of a light aircraft or helicopters. Some return signals from the blades can mix with legitimate targets signals that will cause the target to suddenly jump position as it is displayed.

2. Conclusions

Radars radiate energy (electromagnetic waves) toward the surrounding environment and extracts information from it by processing and analyzing the returning echoes. The pulsed electromagnetic energy transmitted by the radar will reflect of a wide

variety of objects in the signals path. The size, shape, orientation and materials of the object in the path will determine how much of the energy is absorbed, how much is reflected and in what directions it is reflected. Our objective is to use signal processing techniques to eliminate radar interference from the data received at the radar receiver. There have been many studies on interference cancellation techniques in radar frequency interference (RFI). The two types of most widely used in radar systems modulation are “chirp” and the “barker code.” The first is a linear frequency modulation; the second is a bi-phase modulation (Sustainable Energy Programmers, ETSU, UK, March 2003).

Many radars use the Doppler Effect (Shift in Frequency) to extract information on the targets velocity. Objects that are moving will cause a shift in the frequency of the returned radio waves, some will increase frequency if the movement is towards the radar, and others will reduce frequency if the movement is away from the radar. This is known as 'Doppler shift'. When an accurate measurement of the Doppler frequency is needed, continuous wave (CW) radar is used. This type of radar does not provide any information about the target range. Radars of this class with modulation of the frequency carrier (Frequency Modulation-Continuous Wave FM-CW) provide a moderate range resolution and they are used for special applications. In the radar receiver the returning echoes are typically received by the antenna, amplified, down converted, and then passed through detector circuitry that extracts the “intelligence” of the returning signal.

The problems created by the wind turbine blades and the reflected energy produced and detected by the radars receivers continues to be evaluated. Recent survey of techniques in RFI mitigation techniques may be broadly categorized according to whether the elimination is based on time-domain or frequency-domain analysis, and on whether a reference signal is available to provide adaptive noise cancellation.

3. Mitigating Techniques

In most systems,

unwanted clutter and interfering sources mean that the detected noise levels change. If the background in which targets are to be detected is constant with time and space, then a fixed threshold level can be chosen that provides a specific probability of false alarms. There are several

common algorithms that assist us in cleaning up the signal and reduce the false alarm rate. (Sasarita, 2013, p. 2-52)

The Moving Target Indicator (MTI) processing removes from the radar screen any returned signal pulses that either have the same frequency as the transmitted signal pulse indicating no movement or are within a specified range of Doppler shift, corresponding to a range of speeds. These thresholds may be set to eliminate a variety of unwanted moving targets, such as rain and other precipitation, trees, the surface of the sea, and road traffic. Basic MTI can only eliminate static objects. (Sasarita, 2013, p. 2-52)

“The Adaptive MTI (AMTI) not only filters out the fixed clutter, but also estimates the predominant Doppler value of the remaining, moving clutter in each range-azimuth cell, and filters it out. Therefore, AMTI can cancel out moving as well as fixed clutter” (Sasarita, 2013, p. 2-52). This approach uses a reference channel to receive only interference and then subtracts estimated interference from the received data (p. 2-52).

The MTD (Moving Target Discriminator) has the ability to generate a number of filters corresponding to different velocity ranges, thus giving the radar greater ability to discriminate between returns with different velocities (Sasarita, 2013, p. 2-53).

“Other algorithms are used when there is a changing noise level. A changing threshold level is lowered and raised to maintain the constant probability of false alarm. This is known as constant false alarm rate (CFAR) detection” (Sasarita, 2013, p. 2-53). This process, also known as temporal threshold processing, is designed to maintain radar performance in areas where there is clutter (p. 2-53).

4. Recommendations

It is necessary to improve or develop new mitigation techniques, newer algorithms (Concurrent Beam Processing, Clutter Map per Doppler Filter, Polimetrics (Dual Polarization), Pulse-Burst (High PRF), Blind Sport/Gap Filler), improved/enhanced signal processing capabilities, use state of the art technologies that help us to discriminate between objects in the air/in the ground, that create a more accurate map of the surrounding environment, terrain/air, in all directions. This will assist us in reducing the impact that alternative sources of electrical energy have. These newer

technologies will require upgrading radar hardware and changing/modernizing signal-processing algorithms. We must include emerging technologies that have “stealth” material/coatings used on the blades that cut down on their reflectivity and contribute to the elimination of the unwanted signals.

H. SIMULATE TURBINE EFFECTS

1. Objective

Research and identify a commercial off the shelf (COTS) RF propagation model that includes wind turbine and wind farm effects to determine the impact on existing or proposed C4ISR systems (Sasarita, 2013, p. 2-56). “The model will be used to help installations determine impacts of commercial-size wind turbines, where it is appropriate to site these on Army installations, and how to minimize or mitigate any potential impacts” (p. 2-56).

“Validate the model by comparing predicted results to actual test results. Although onsite testing will be limited by a lack of operational control to the extent allowed by time and funding, to visit a full-range of wind turbines and wind farms to gather data for comparison” (Sasarita, 2013, p. 2-56).

2. Criteria

- The model must be able to predict the impact of one or more wind turbine on one or more electronic communication system simultaneously, to include radars and networks (Sasarita, 2013, p. 2-56)
- The model must be able to propose methods for mitigating any foreseen impact (Sasarita, 2013, p. 2-56)
- The model must run on a laptop as well as on a desktop (Sasarita, 2013, p. 2-56)
- The model must be supportable (Sasarita, 2013, p. 2-56)

3. Procedures

HTZ warfare was the commercial RF propagation modeling software program selected because of its ability to incorporate wind turbines effects. The model was setup to run simulations with the same parameters of the ASR-11 Radar and the transmitter and

receiver associated with the MET, Fire Alarm, and Motorola P2P radios (Sasarita, 2013, p. 2-56).

4. Findings

ASR-11 Radar—The Air Traffic Control radar at Libby Airfield simulation resulted in an Interference/Noise (I/N) ratio of 26 with a turbine RCS value of 200m^2 . When the RCS value was increased to 1000 m^2 , the I/N increased to 33. However, no problems were reported from Base Operations during the first week the turbine blades rotated. See Figure 40.

The Weather Radar was monitored while the turbine blades were rotating and no anomalies were noted.

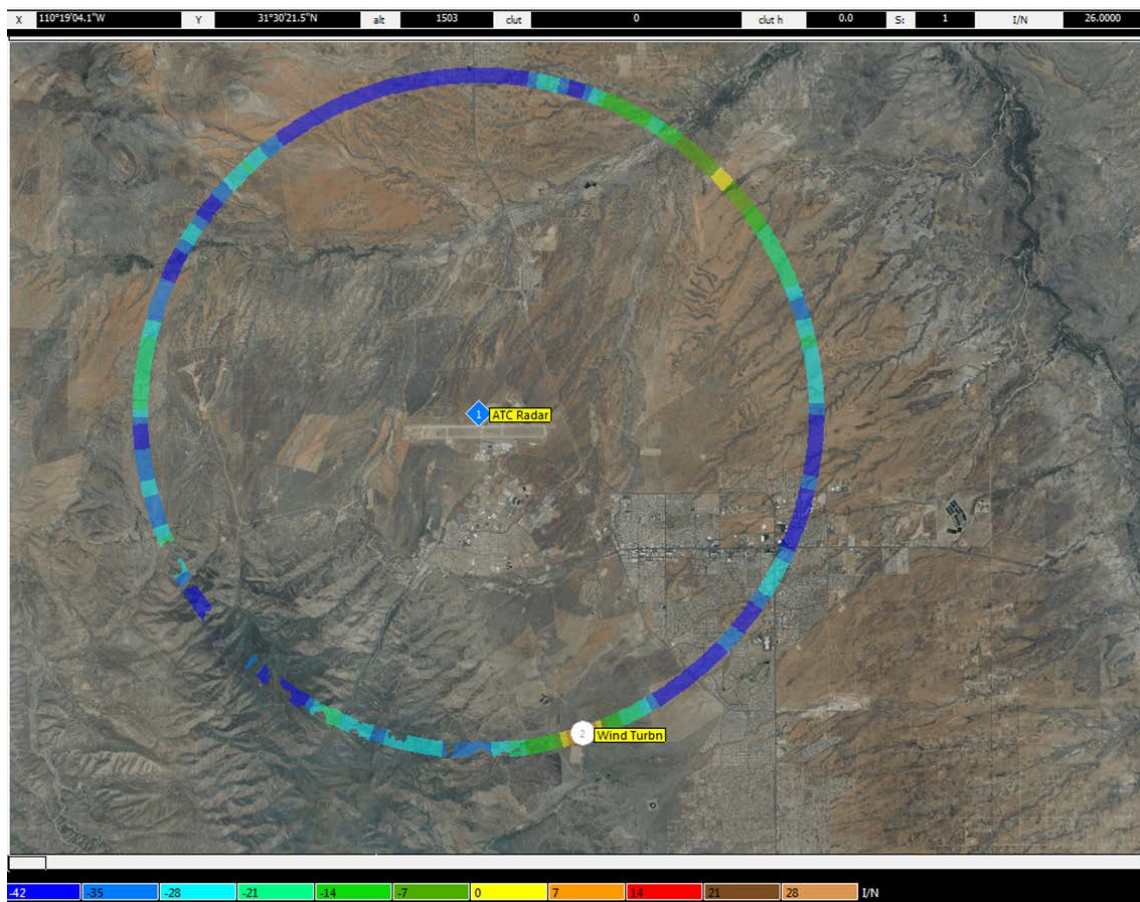


Figure 40. ASR-11 False Target Plot

5. Technical Analysis

HTZ Warfare's analysis of wind turbine impact on radar involves the I/N plot. This plot is depicted as a colored ring around the radar with a diameter equal to the distance of the wind turbine. The I/N plot illustrates the relative level of interference 360° around the radar. The antenna pattern of the radar is taken into account so that side lobes will cause a higher I/N reading when no targets are present at the radar's bore sight.

Figure 41 is a profile chart created by HTZ Warfare. The radar (ASR-11 at Libby Army Air Field) is depicted on the left edge of the chart. The Nordic 1 MW wind turbine is depicted as a yellow object on the right edge of the chart. The radar beam is shown in red projecting from the top of a blue tower on the bottom left. This diagram clearly shows that the radar beam will pass high above the wind turbine, so the Nordic wind turbine will not interfere with the ATC radar at Libby. This feature in HTZ Warfare should be exercised first to determine potential interference from a wind turbine on a specific radar. If the profile shows the radar beam intersecting any part of the turbine, interference is highly probable.

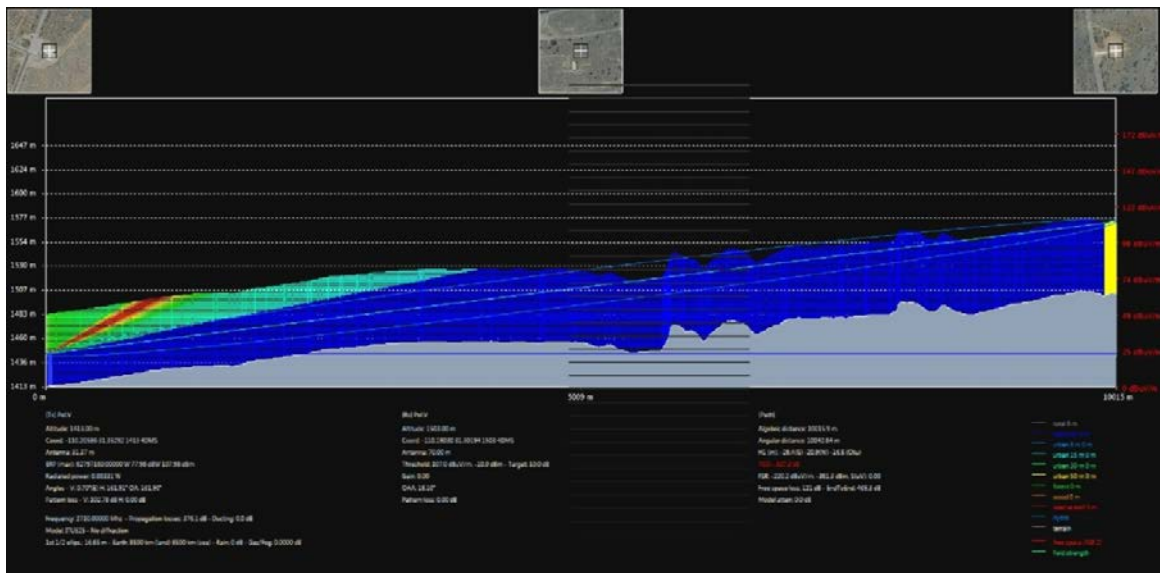


Figure 41. ASR-11 Profile to 1MW Nordic Wind Turbine (from Sasarita, 2013, p. 2-58)

APPENDIX A. WIND TURBINE INSTALLATION PICTURES



Figure 42. Nacelle on the Ground, Being Prepared for Mating of the Blades and Lifting



Figure 43. Base Tower Section Vertical, and Ready to be Placed on Pad



Figure 44. Tower Second Section Being Lifted for Mating to Base Section



Figure 45. Nacelle with Blades Being Lifted for Installation



Figure 46. Nacelle Being Mated to Tower Sections

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APPENDIX B. FINDINGS

A. VERTICAL POLARIZATION—WIND TURBINE RCS

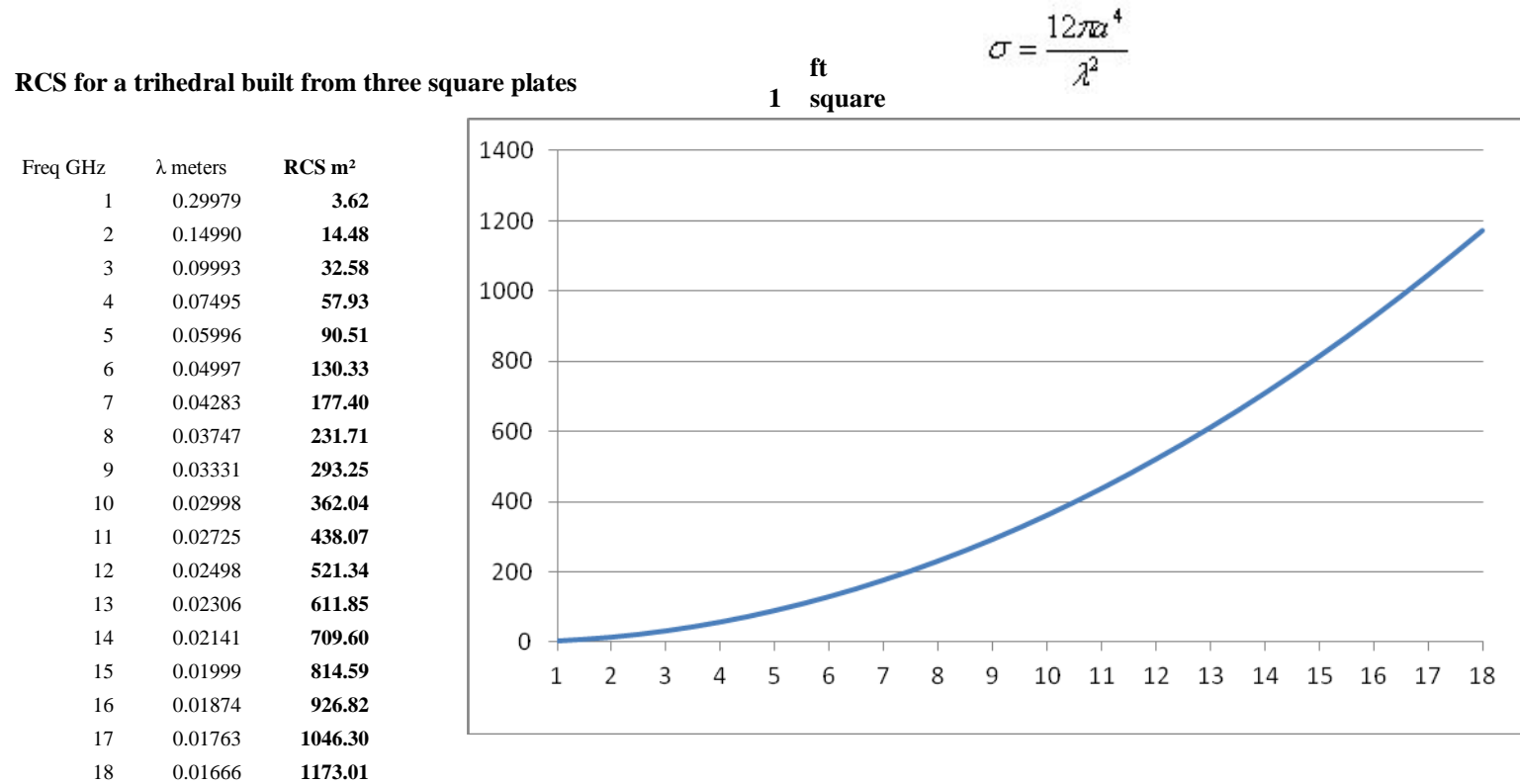
Vertical Polarization																							
Calibration																							
Radar Frequency	>	1.26 GHz	2 GHz	2.8 GHz	3 GHz	4 GHz	5 GHz	5.6 GHz	6 GHz	7 GHz	8 GHz	9 GHz											
Radar λ		0.2379 m	0.1499 m	0.1071 m	0.0999 m	0.0749 m	0.0600 m	0.0535 m	0.0500 m	0.0428 m	0.0375 m	0.0333 m											
Time of signal flight	>	355 nS	355 nS	355 nS	355 nS	355 nS	355 nS	355 nS	355 nS	355 nS	355 nS	355 nS											
Distance to target		58 yds	58 yds	58 yds	58 yds	58 yds	58 yds	58 yds	58 yds	58 yds	58 yds	58 yds											
Distance to target		17.74 m	17.74 m	17.74 m	17.74 m	17.74 m	17.74 m	17.74 m	17.74 m	17.74 m	17.74 m	17.74 m											
Signal generator power	>	41.9 dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm											
Transmit power		15.488 Watts	0.001 Watts	0.001 Watts	0.001 Watts	0.001 Watts	0.001 Watts	0.001 Watts	0.001 Watts	0.001 Watts	0.001 Watts	0.001 Watts											
Demodulator output	>	1.800 Volts	High	High	High	High	High	High	High	High	High	High											
Received power dBm		-26.59 dBm	14.28 dBm	10.92 dBm	10.92 dBm	9.01 dBm	15.59 dBm	10.99 dBm	10.99 dBm	13.71 dBm	22.83 dBm	26.25 dBm											
Received power Watts		2.19E-06 Watts	2.68E-02 Watts	1.24E-02 Watts	1.24E-02 Watts	7.96E-03 Watts	3.62E-02 Watts	1.26E-02 Watts	1.26E-02 Watts	2.35E-02 Watts	1.92E-01 Watts	4.22E-01 Watts											
RCS for Trihedral Reflector	>	5.75 m²	14.48 m²	28.38 m²	32.58 m²	57.93 m²	90.51 m²	113.54 m²	130.33 m²	177.4 m²	231.71 m²	293.25 m²											
Correction factor		19.315 dB	102.091 dB	98.727 dB	98.726 dB	96.814 dB	103.393 dB	98.800 dB	98.800 dB	101.519 dB	110.641 dB	114.060 dB											
AD8317 Pulse Detector																							
Calibration 1 - 8GHz																							
1ft Rosenberger cable loss	>	0.31	0.43	0.51	0.51	0.59	0.67	0.69	0.69	0.77	0.87	0.91											
Generator output level	>	-55 -10	-55 -10	-55 -10	-55 -10	-55 -10	-55 -10	-50 -10	-50 -10	-50 -10	-45 -10	-45 -10											
Limits dBm	>	-55.31 -10.31	-55.43 -10.43	-55.51 -10.51	-55.51 -10.51	-55.59 -10.59	-50.67 -10.67	-50.69 -10.69	-50.69 -10.69	-50.69 -10.77	-45.77 -10.77	-45.87 -10.87											
Associated Voltage	>	3.056 1.088	3.024 1.072	2.976 0.96	2.976 0.96	2.848 0.864	3.008 1.192	2.64 0.928	2.64 0.928	2.624 1.08	2.968 1.456	2.944 1.76											
mV/dB or Volts/dB		43.73 0.0437	43.38 0.0434	44.80 0.0448	44.80 0.0448	44.09 0.0441	45.40 0.0454	42.80 0.0428	42.80 0.0428	44.11 0.0441	43.20 0.0432	47.36 0.0474											
Line 12 constant		0.6371	0.6196	0.4892	0.4892	0.3971	0.7076	0.4705	0.4705	0.6049	0.9864	1.2433											
Wind Turbine RCS																							
Time of signal flight	>	2113 nS	2113 nS	2113 nS	2113 nS	2113 nS	2113 nS	2113 nS	2113 nS	2113 nS	2113 nS	2113 nS											
Distance to target		346 yds	346 yds	346 yds	346 yds	346 yds	346 yds	346 yds	346 yds	346 yds	346 yds	346 yds											
Distance to target		105.57 m	105.57 m	105.57 m	105.57 m	105.57 m	105.57 m	105.57 m	105.57 m	105.57 m	105.57 m	105.57 m											
Signal generator power	>	41.9 dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm											
Transmit power		15.488 Watts	0.001 Watts	0.001 Watts	0.001 Watts	0.001 Watts	0.001 Watts	0.001 Watts	0.001 Watts	0.001 Watts	0.001 Watts	0.001 Watts											
Demodulator output	>	1.608 Volts	High	High	High	High	High	High	High	High	High	High											
Correction factor from above		19.315 dB	102.091 dB	98.727 dB	98.726 dB	96.814 dB	103.393 dB	98.800 dB	98.800 dB	101.519 dB	110.641 dB	114.060 dB											
Received power dBm		-22.20 dBm	14.28 dBm	10.92 dBm	10.92 dBm	9.01 dBm	15.59 dBm	10.99 dBm	10.99 dBm	13.71 dBm	22.83 dBm	26.25 dBm											
Received power Watts		6.03E-06 Watts	2.68E-02 Watts	1.24E-02 Watts	1.24E-02 Watts	7.96E-03 Watts	3.62E-02 Watts	1.26E-02 Watts	1.26E-02 Watts	2.35E-02 Watts	1.92E-01 Watts	4.22E-01 Watts											
RCS of Wind Turbine		19832.47 m²	18174.11 m²	35620.25 m²	40891.75 m²	72708.99 m²	113600.73 m²	142506.10 m²	163579.54 m²	222657.94 m²	290823.40 m²	368063.37 m²											

B. FILTER

Filter plunger exposed length	1 17/32"	3"			3 15/32"	3 23/32"	3 13/16"			3 29/32"	4"	3 5/16"	3.5"		
					1.5"	2 7/32"	2 5/8"			2 29/32"	3 5/32"	2 9/16"	2 13/16"		
							1 13/32"			1 29/32"	1 27/32"	2 9/32"	2 5/32"		
										15/16"	1 7/16"	1 3/32"	1.5"		
										15/16"	1 7/16"	1 3/32"	1.5"		

C. RCS FOR A TRIHEDRAL BUILT FROM THREE SQUARE PLATES

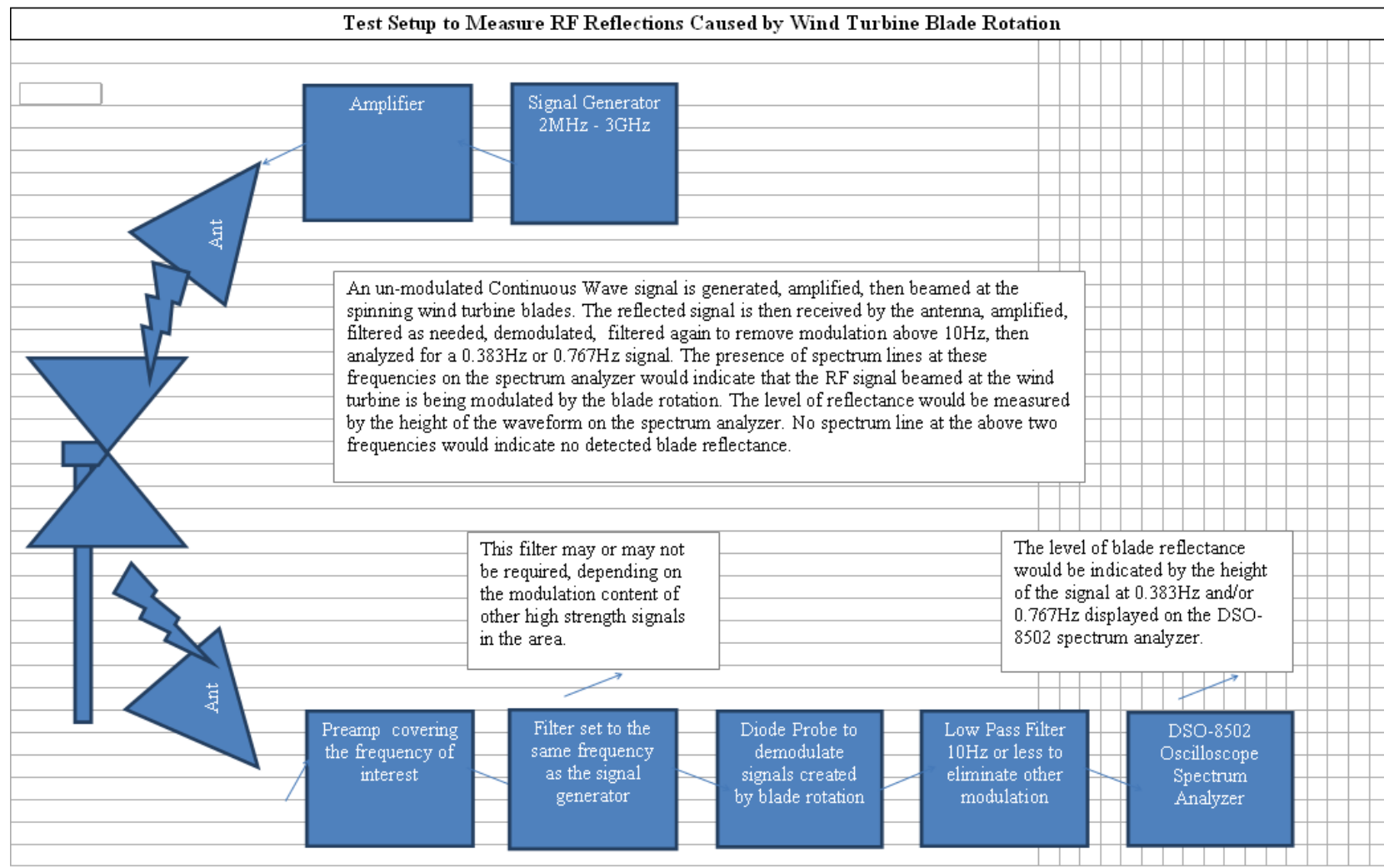
The following table and chart shows the RCS values vs. frequency (Sasarita, 2013, p. C-4)



The above table represents the calculated RCS calibration for a trihedral reflector constructed from three one foot square by 0.125 inch thick steel plates.

1.26	0.23793	5.75
2.8	0.10707	28.38
5.6	0.05353	113.54

D. TEST SETUP TO MEASURE RF REFLECTIONS



E. WIND TURBINE MONITOR SHED POWER CORD SCANS

100-200 KHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010						
	Ambient Scan	575' length of power	575' length of power		Comparison	
	No power line	cord on the ground	cord on the ground		20-Dec	28-Dec
	on the ground	connecting shed	receivers connected		minus the Ambient scan	
	9-Dec-10	20-Dec-10	28-Dec-10	Freq KHz	dBm	dBm
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	6.00	6.00
1.00E+05	-105.08	-103.51	-104.42	100.00		
1.00E+05	-105.77	-104.24	-103.04	100.25		
1.01E+05	-105.92	-105.87	-104.38	100.50		
1.01E+05	-105.17	-105.95	-104.77	100.75		
1.01E+05	-104.91	-105.87	-104.71	101.00		
1.01E+05	-104.82	-105.95	-105.59	101.25		
1.02E+05	-105.25	-106.84	-105.50	101.50		
1.02E+05	-105.30	-105.43	-105.66	101.75		
1.02E+05	-104.29	-104.52	-104.80	102.00		
1.02E+05	-104.67	-105.14	-104.68	102.25		
1.03E+05	-105.11	-104.50	-103.69	102.50		
1.03E+05	-105.90	-104.81	-104.78	102.75		
1.03E+05	-104.32	-104.26	-103.67	103.00		
1.03E+05	-105.24	-104.57	-104.16	103.25		
1.04E+05	-105.10	-103.14	-103.74	103.50		
1.04E+05	-104.48	-104.01	-102.99	103.75		
1.04E+05	-102.89	-103.96	-103.76	104.00		
1.04E+05	-101.26	-101.09	-102.25	104.25		
1.05E+05	-105.06	-103.73	-104.49	104.50		
1.05E+05	-103.95	-102.98	-103.16	104.75		
1.05E+05	-104.85	-103.53	-104.49	105.00		
1.05E+05	-104.13	-103.64	-103.82	105.25		
1.06E+05	-103.80	-103.91	-104.63	105.50		
1.06E+05	-104.10	-103.16	-104.40	105.75		
1.06E+05	-105.11	-104.45	-103.37	106.00		

100-200 KHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

					Comparison	
					20-Dec	28-Dec
					minus the Ambient scan	
					dBm	dBm
					6.00	6.00
Frequency (Hz)	Ambient Scan No power line on the ground 9-Dec-10 Trace1 (dBm)	575' length of power cord on the ground connecting shed 20-Dec-10 Trace1 (dBm)	575' length of power cord on the ground receivers connected 28-Dec-10 Trace1 (dBm)	Freq KHz Enter Limit >		
1.06E+05	-104.20	-103.90	-104.25	106.25		
1.07E+05	-104.23	-104.22	-103.74	106.50		
1.07E+05	-104.99	-102.68	-103.17	106.75		
1.07E+05	-102.61	-102.60	-101.40	107.00		
1.07E+05	-103.50	-103.98	-102.67	107.25		
1.08E+05	-104.76	-103.92	-103.40	107.50		
1.08E+05	-104.36	-105.55	-105.04	107.75		
1.08E+05	-104.43	-105.08	-105.74	108.00		
1.08E+05	-105.24	-105.53	-104.80	108.25		
1.09E+05	-104.94	-105.22	-105.03	108.50		
1.09E+05	-105.26	-103.63	-103.69	108.75		
1.09E+05	-105.60	-103.27	-102.33	109.00		
1.09E+05	-104.77	-103.25	-103.03	109.25		
1.10E+05	-105.59	-103.56	-105.07	109.50		
1.10E+05	-104.76	-104.16	-104.09	109.75		
1.10E+05	-100.57	-102.01	-103.44	110.00		
1.10E+05	-102.30	-103.44	-102.32	110.25		
1.11E+05	-105.82	-104.24	-103.61	110.50		
1.11E+05	-105.62	-106.16	-103.11	110.75		
1.11E+05	-106.01	-105.51	-103.37	111.00		
1.11E+05	-105.59	-106.02	-103.64	111.25		
1.12E+05	-104.85	-105.38	-104.05	111.50		
1.12E+05	-103.79	-103.02	-101.47	111.75		
1.12E+05	-97.50	-96.87	-96.57	112.00		
1.12E+05	-99.56	-97.15	-98.14	112.25		
1.13E+05	-99.47	-97.18	-97.13	112.50		
1.13E+05	-97.21	-96.54	-96.41	112.75		

100-200 KHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

					Comparison	
					20-Dec	28-Dec
					minus the Ambient scan	
					dBm	dBm
					6.00	6.00
Frequency (Hz)	Ambient Scan No power line on the ground 9-Dec-10 Trace1 (dBm)	575' length of power cord on the ground connecting shed 20-Dec-10 Trace1 (dBm)	575' length of power cord on the ground receivers connected 28-Dec-10 Trace1 (dBm)	Freq KHz Enter Limit >		
1.13E+05	-104.27	-102.59	-102.79	113.00		
1.13E+05	-105.67	-105.03	-104.74	113.25		
1.14E+05	-105.69	-104.87	-105.44	113.50		
1.14E+05	-105.45	-104.44	-105.05	113.75		
1.14E+05	-106.06	-103.78	-105.91	114.00		
1.14E+05	-104.96	-104.03	-105.96	114.25		
1.15E+05	-104.90	-104.25	-105.89	114.50		
1.15E+05	-104.51	-103.83	-105.38	114.75		
1.15E+05	-104.92	-104.36	-105.33	115.00		
1.15E+05	-104.19	-105.49	-104.23	115.25		
1.16E+05	-102.39	-104.12	-102.61	115.50		
1.16E+05	-102.99	-103.37	-103.57	115.75		
1.16E+05	-102.08	-103.68	-103.13	116.00		
1.16E+05	-102.08	-103.68	-101.55	116.25		
1.17E+05	-100.65	-100.87	-101.99	116.50		
1.17E+05	-99.11	-96.82	-100.68	116.75		
1.17E+05	-96.81	-88.39	-98.29	117.00	8.42	
1.17E+05	-85.57	-93.47	-93.47	117.25	-7.90	-7.90
1.18E+05	-79.22	-100.82	-87.95	117.50	-21.60	-8.73
1.18E+05	-87.85	-100.03	-87.10	117.75	-12.18	
1.18E+05	-98.12	-100.52	-93.14	118.00		
1.18E+05	-96.80	-101.07	-98.71	118.25		
1.19E+05	-98.20	-102.27	-97.55	118.50		
1.19E+05	-99.25	-104.50	-98.33	118.75		
1.19E+05	-101.15	-104.57	-99.29	119.00		
1.19E+05	-103.35	-104.81	-102.18	119.25		
1.20E+05	-104.15	-105.85	-102.81	119.50		

100-200 KHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Frequency (Hz)	Ambient Scan	575' length of power	575' length of power	Freq KHz	Comparison	
	No power line	cord on the ground	cord on the ground		20-Dec	28-Dec
	on the ground	connecting shed	receivers connected		minus the Ambient scan	
	9-Dec-10	20-Dec-10	28-Dec-10		dBm	dBm
	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	6.00	6.00
1.20E+05	-104.83	-105.42	-103.91	119.75		
1.20E+05	-103.87	-105.31	-103.45	120.00		
1.20E+05	-104.18	-104.30	-103.92	120.25		
1.21E+05	-105.69	-105.63	-105.47	120.50		
1.21E+05	-106.11	-105.87	-105.81	120.75		
1.21E+05	-106.64	-107.68	-105.80	121.00		
1.21E+05	-106.99	-107.64	-106.54	121.25		
1.22E+05	-106.17	-107.65	-106.29	121.50		
1.22E+05	-105.91	-107.69	-104.80	121.75		
1.22E+05	-106.08	-106.58	-105.03	122.00		
1.22E+05	-106.40	-107.56	-105.51	122.25		
1.23E+05	-106.59	-107.06	-105.37	122.50		
1.23E+05	-107.11	-107.57	-107.00	122.75		
1.23E+05	-106.41	-107.77	-107.02	123.00		
1.23E+05	-107.19	-107.59	-108.00	123.25		
1.24E+05	-106.88	-106.79	-108.03	123.50		
1.24E+05	-108.36	-106.81	-106.71	123.75		
1.24E+05	-108.34	-106.97	-107.22	124.00		
1.24E+05	-108.63	-106.75	-107.30	124.25		
1.25E+05	-107.69	-106.02	-106.60	124.50		
1.25E+05	-107.40	-105.20	-108.44	124.75		
1.25E+05	-106.71	-104.96	-107.70	125.00		
1.25E+05	-107.51	-104.52	-108.00	125.25		
1.26E+05	-107.30	-105.95	-107.95	125.50		
1.26E+05	-106.58	-106.09	-104.62	125.75		
1.26E+05	-107.12	-106.12	-104.53	126.00		
1.26E+05	-106.99	-105.49	-105.01	126.25		

100-200 KHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Frequency (Hz)	Ambient Scan	575' length of power	575' length of power	Freq KHz	Comparison	
	No power line	cord on the ground	cord on the ground		20-Dec	28-Dec
	on the ground	connecting shed	receivers connected		minus the Ambient scan	
	9-Dec-10	20-Dec-10	28-Dec-10		dBm	dBm
	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	6.00	6.00
1.27E+05	-106.65	-107.59	-105.73	126.50		
1.27E+05	-107.59	-107.62	-106.36	126.75		
1.27E+05	-106.97	-107.00	-106.48	127.00		
1.27E+05	-106.58	-107.31	-106.16	127.25		
1.28E+05	-106.62	-107.26	-105.74	127.50		
1.28E+05	-100.24	-103.45	-98.38	127.75		
1.28E+05	-102.28	-104.75	-101.24	128.00		
1.28E+05	-105.87	-103.80	-105.47	128.25		
1.29E+05	-90.37	-94.53	-105.37	128.50		-15.00
1.29E+05	-85.89	-99.03	-94.28	128.75	-13.13	-8.38
1.29E+05	-97.20	-107.34	-86.27	129.00	-10.15	10.93
1.29E+05	-106.25	-106.90	-93.31	129.25		12.94
1.30E+05	-106.63	-105.57	-106.10	129.50		
1.30E+05	-105.90	-104.41	-104.37	129.75		
1.30E+05	-95.26	-95.17	-96.52	130.00		
1.30E+05	-104.33	-103.42	-102.87	130.25		
1.31E+05	-106.48	-105.74	-105.03	130.50		
1.31E+05	-106.86	-105.72	-104.96	130.75		
1.31E+05	-106.68	-105.96	-106.12	131.00		
1.31E+05	-106.28	-106.03	-103.91	131.25		
1.32E+05	-106.47	-105.80	-106.18	131.50		
1.32E+05	-107.11	-105.50	-105.59	131.75		
1.32E+05	-107.43	-106.37	-105.52	132.00		
1.32E+05	-107.35	-105.93	-106.22	132.25		
1.33E+05	-106.99	-104.92	-105.61	132.50		
1.33E+05	-107.32	-104.88	-106.49	132.75		
1.33E+05	-106.78	-105.07	-106.25	133.00		

100-200 KHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Frequency (Hz)	Ambient Scan	575' length of power	575' length of power	Freq KHz	Comparison	
	No power line	cord on the ground	cord on the ground		20-Dec	28-Dec
	on the ground	connecting shed	receivers connected		minus the Ambient scan	
	9-Dec-10	20-Dec-10	28-Dec-10		dBm	dBm
	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	6.00	6.00
1.33E+05	-107.49	-105.60	-106.18	133.25		
1.34E+05	-106.47	-102.23	-106.49	133.50		
1.34E+05	-106.92	-101.03	-107.08	133.75		
1.34E+05	-107.00	-102.52	-105.58	134.00		
1.34E+05	-106.53	-106.02	-106.19	134.25		
1.35E+05	-105.65	-107.33	-107.16	134.50		
1.35E+05	-106.71	-106.82	-106.20	134.75		
1.35E+05	-106.36	-107.37	-105.39	135.00		
1.35E+05	-106.88	-106.25	-106.69	135.25		
1.36E+05	-107.17	-106.05	-105.53	135.50		
1.36E+05	-108.14	-106.86	-105.21	135.75		
1.36E+05	-106.04	-105.91	-104.99	136.00		
1.36E+05	-106.73	-106.71	-105.59	136.25		
1.37E+05	-105.70	-106.29	-105.32	136.50		
1.37E+05	-106.15	-106.64	-105.17	136.75		
1.37E+05	-107.33	-107.23	-107.80	137.00		
1.37E+05	-106.53	-107.23	-106.84	137.25		
1.38E+05	-108.97	-106.43	-106.59	137.50		
1.38E+05	-108.60	-107.35	-106.43	137.75		
1.38E+05	-109.25	-107.83	-107.42	138.00		
1.38E+05	-108.57	-107.37	-107.40	138.25		
1.39E+05	-108.68	-107.58	-107.28	138.50		
1.39E+05	-107.22	-108.71	-105.91	138.75		
1.39E+05	-106.21	-108.39	-105.82	139.00		
1.39E+05	-107.32	-108.25	-106.61	139.25		
1.40E+05	-107.08	-107.27	-105.27	139.50		
1.40E+05	-107.25	-108.13	-107.07	139.75		

100-200 KHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

					Comparison	
					20-Dec	28-Dec
					minus the Ambient scan	
					dBm	dBm
					6.00	6.00
Frequency (Hz)	Ambient Scan No power line on the ground 9-Dec-10 Trace1 (dBm)	575' length of power cord on the ground connecting shed 20-Dec-10 Trace1 (dBm)	575' length of power cord on the ground receivers connected 28-Dec-10 Trace1 (dBm)	Freq KHz Enter Limit >		
1.40E+05	-105.24	-105.70	-103.73	140.00		
1.40E+05	-106.82	-106.94	-104.92	140.25		
1.41E+05	-107.64	-107.99	-106.55	140.50		
1.41E+05	-109.10	-107.88	-107.44	140.75		
1.41E+05	-108.11	-107.20	-106.39	141.00		
1.41E+05	-108.31	-107.10	-107.85	141.25		
1.42E+05	-108.72	-107.52	-107.60	141.50		
1.42E+05	-108.17	-107.11	-107.14	141.75		
1.42E+05	-108.41	-107.76	-106.97	142.00		
1.42E+05	-108.56	-107.30	-107.54	142.25		
1.43E+05	-108.00	-107.15	-107.33	142.50		
1.43E+05	-108.47	-107.91	-108.88	142.75		
1.43E+05	-108.15	-108.58	-107.15	143.00		
1.43E+05	-108.45	-107.34	-107.66	143.25		
1.44E+05	-109.26	-107.88	-107.34	143.50		
1.44E+05	-108.88	-107.66	-108.06	143.75		
1.44E+05	-108.14	-108.38	-107.64	144.00		
1.44E+05	-108.14	-107.96	-108.82	144.25		
1.45E+05	-107.75	-107.71	-105.57	144.50		
1.45E+05	-107.17	-107.22	-106.05	144.75		
1.45E+05	-103.29	-102.52	-102.05	145.00		
1.45E+05	-95.73	-94.50	-95.00	145.25		
1.46E+05	-104.91	-103.12	-103.98	145.50		
1.46E+05	-107.96	-108.02	-108.63	145.75		
1.46E+05	-108.18	-108.44	-109.15	146.00		
1.46E+05	-107.39	-107.90	-108.76	146.25		
1.47E+05	-108.80	-107.67	-108.90	146.50		

100-200 KHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

					Comparison	
					20-Dec	28-Dec
					minus the Ambient scan	
					dBm	dBm
					6.00	6.00
Frequency (Hz)	Ambient Scan No power line on the ground 9-Dec-10 Trace1 (dBm)	575' length of power cord on the ground connecting shed 20-Dec-10 Trace1 (dBm)	575' length of power cord on the ground receivers connected 28-Dec-10 Trace1 (dBm)	Freq KHz Enter Limit >		
1.47E+05	-108.24	-106.84	-108.38	146.75		
1.47E+05	-107.61	-107.44	-107.73	147.00		
1.47E+05	-109.32	-107.22	-107.17	147.25		
1.48E+05	-109.07	-107.11	-106.81	147.50		
1.48E+05	-109.69	-107.16	-107.00	147.75		
1.48E+05	-109.33	-107.70	-107.64	148.00		
1.48E+05	-107.85	-108.27	-105.76	148.25		
1.49E+05	-108.52	-109.21	-105.66	148.50		
1.49E+05	-108.05	-107.76	-106.80	148.75		
1.49E+05	-107.82	-106.84	-106.34	149.00		
1.49E+05	-108.67	-108.73	-108.75	149.25		
1.50E+05	-109.23	-108.17	-107.87	149.50		
1.50E+05	-108.83	-107.81	-107.68	149.75		
1.50E+05	-107.18	-105.60	-106.52	150.00		
1.50E+05	-108.22	-106.13	-108.26	150.25		
1.51E+05	-108.62	-106.24	-107.71	150.50		
1.51E+05	-108.77	-107.58	-107.50	150.75		
1.51E+05	-108.64	-106.76	-107.72	151.00		
1.51E+05	-108.39	-107.24	-107.23	151.25		
1.52E+05	-109.83	-106.88	-106.57	151.50		
1.52E+05	-110.18	-106.07	-106.22	151.75		
1.52E+05	-107.46	-108.56	-106.02	152.00		
1.52E+05	-108.96	-108.75	-106.39	152.25		
1.53E+05	-109.01	-109.01	-107.28	152.50		
1.53E+05	-108.90	-108.94	-107.13	152.75		
1.53E+05	-109.29	-109.46	-107.46	153.00		
1.53E+05	-109.60	-109.29	-107.61	153.25		

100-200 KHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Frequency (Hz)	Ambient Scan	575' length of power	575' length of power	Freq KHz	Comparison	
	No power line	cord on the ground	cord on the ground		20-Dec	28-Dec
	on the ground	connecting shed	receivers connected		minus the Ambient scan	
	9-Dec-10	20-Dec-10	28-Dec-10		dBm	dBm
	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	6.00	6.00
1.54E+05	-108.80	-108.89	-107.15	153.50		
1.54E+05	-109.17	-108.42	-107.05	153.75		
1.54E+05	-107.99	-106.36	-108.43	154.00		
1.54E+05	-106.95	-106.29	-107.76	154.25		
1.55E+05	-106.08	-105.13	-107.58	154.50		
1.55E+05	-107.07	-105.56	-107.16	154.75		
1.55E+05	-109.02	-105.67	-106.83	155.00		
1.55E+05	-109.97	-106.33	-107.38	155.25		
1.56E+05	-108.87	-107.04	-107.21	155.50		
1.56E+05	-107.86	-106.34	-107.35	155.75		
1.56E+05	-105.82	-105.88	-104.07	156.00		
1.56E+05	-106.62	-105.35	-104.20	156.25		
1.57E+05	-108.75	-107.13	-107.54	156.50		
1.57E+05	-108.85	-107.90	-107.13	156.75		
1.57E+05	-108.09	-108.08	-107.09	157.00		
1.57E+05	-107.64	-107.76	-107.79	157.25		
1.58E+05	-107.77	-107.57	-107.25	157.50		
1.58E+05	-107.67	-107.55	-107.29	157.75		
1.58E+05	-107.51	-108.02	-107.34	158.00		
1.58E+05	-108.34	-107.26	-106.83	158.25		
1.59E+05	-107.85	-107.94	-105.58	158.50		
1.59E+05	-108.85	-105.89	-105.79	158.75		
1.59E+05	-107.61	-104.96	-105.09	159.00		
1.59E+05	-106.85	-104.41	-105.62	159.25		
1.60E+05	-107.58	-105.01	-104.99	159.50		
1.60E+05	-104.33	-107.89	-102.00	159.75		
1.60E+05	-98.42	-104.89	-94.75	160.00	-6.47	

100-200 KHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Frequency (Hz)	Ambient Scan	575' length of power	575' length of power	Freq KHz	Comparison	
	No power line	cord on the ground	cord on the ground		20-Dec	28-Dec
	on the ground	connecting shed	receivers connected		minus the Ambient scan	
	9-Dec-10	20-Dec-10	28-Dec-10		dBm	dBm
	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	6.00	6.00
1.60E+05	-101.21	-102.14	-98.89	160.25		
1.61E+05	-106.60	-105.52	-105.29	160.50		
1.61E+05	-107.57	-107.38	-107.00	160.75		
1.61E+05	-107.29	-106.83	-108.33	161.00		
1.61E+05	-107.22	-105.89	-107.11	161.25		
1.62E+05	-107.98	-106.38	-105.78	161.50		
1.62E+05	-108.30	-106.86	-106.53	161.75		
1.62E+05	-107.96	-107.05	-105.88	162.00		
1.62E+05	-107.82	-107.51	-107.18	162.25		
1.63E+05	-108.25	-107.60	-107.60	162.50		
1.63E+05	-106.75	-106.46	-107.52	162.75		
1.63E+05	-106.27	-106.95	-106.53	163.00		
1.63E+05	-106.95	-107.73	-105.48	163.25		
1.64E+05	-106.46	-106.70	-106.34	163.50		
1.64E+05	-106.51	-106.62	-106.03	163.75		
1.64E+05	-106.90	-107.11	-106.20	164.00		
1.64E+05	-107.79	-106.23	-105.99	164.25		
1.65E+05	-107.74	-106.62	-106.75	164.50		
1.65E+05	-106.30	-105.94	-105.66	164.75		
1.65E+05	-106.62	-107.41	-105.41	165.00		
1.65E+05	-107.69	-106.55	-105.95	165.25		
1.66E+05	-107.69	-107.45	-107.19	165.50		
1.66E+05	-107.01	-106.71	-107.23	165.75		
1.66E+05	-107.38	-107.57	-107.97	166.00		
1.66E+05	-106.48	-107.56	-106.77	166.25		
1.67E+05	-107.21	-107.89	-107.87	166.50		
1.67E+05	-107.43	-106.41	-107.12	166.75		

100-200 KHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

					Comparison	
					20-Dec	28-Dec
					minus the Ambient scan	
					dBm	dBm
					6.00	6.00
Frequency (Hz)	Ambient Scan No power line on the ground 9-Dec-10 Trace1 (dBm)	575' length of power cord on the ground connecting shed 20-Dec-10 Trace1 (dBm)	575' length of power cord on the ground receivers connected 28-Dec-10 Trace1 (dBm)	Freq KHz Enter Limit >		
1.67E+05	-107.06	-103.35	-106.37	167.00		
1.67E+05	-106.23	-103.32	-103.90	167.25		
1.68E+05	-105.80	-104.60	-105.19	167.50		
1.68E+05	-106.90	-105.01	-104.12	167.75		
1.68E+05	-104.53	-103.72	-104.03	168.00		
1.68E+05	-106.80	-105.45	-105.23	168.25		
1.69E+05	-106.26	-105.18	-106.42	168.50		
1.69E+05	-106.52	-105.40	-106.63	168.75		
1.69E+05	-106.67	-105.91	-106.72	169.00		
1.69E+05	-105.65	-105.24	-105.54	169.25		
1.70E+05	-106.54	-104.59	-104.78	169.50		
1.70E+05	-105.19	-102.94	-103.39	169.75		
1.70E+05	-96.03	-92.20	-95.14	170.00		
1.70E+05	-99.53	-95.34	-97.25	170.25		
1.71E+05	-107.29	-104.01	-104.85	170.50		
1.71E+05	-107.64	-106.44	-104.76	170.75		
1.71E+05	-107.64	-108.24	-105.16	171.00		
1.71E+05	-107.57	-107.64	-105.38	171.25		
1.72E+05	-106.69	-107.33	-105.55	171.50		
1.72E+05	-105.95	-106.46	-105.35	171.75		
1.72E+05	-106.92	-106.53	-106.40	172.00		
1.72E+05	-106.54	-106.17	-105.05	172.25		
1.73E+05	-106.73	-105.68	-104.57	172.50		
1.73E+05	-107.04	-107.06	-105.80	172.75		
1.73E+05	-105.47	-105.75	-106.19	173.00		
1.73E+05	-105.47	-105.80	-105.66	173.25		
1.74E+05	-105.35	-105.99	-105.56	173.50		

100-200 KHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Frequency (Hz)	Ambient Scan	575' length of power	575' length of power	Freq KHz	Comparison	
	No power line	cord on the ground	cord on the ground		20-Dec	28-Dec
	on the ground	connecting shed	receivers connected		minus the Ambient scan	
	9-Dec-10	20-Dec-10	28-Dec-10		dBm	dBm
	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	6.00	6.00
1.74E+05	-105.31	-105.68	-102.99	173.75		
1.74E+05	-105.19	-105.28	-103.75	174.00		
1.74E+05	-104.68	-105.10	-104.70	174.25		
1.75E+05	-104.41	-104.86	-104.92	174.50		
1.75E+05	-103.87	-104.67	-104.95	174.75		
1.75E+05	-104.23	-102.85	-103.83	175.00		
1.75E+05	-104.64	-98.13	-103.80	175.25	6.50	
1.76E+05	-104.04	-92.35	-104.35	175.50	11.69	
1.76E+05	-101.50	-99.83	-104.71	175.75		
1.76E+05	-91.35	-102.30	-101.65	176.00	-10.95	-10.31
1.76E+05	-83.90	-103.17	-96.75	176.25	-19.26	-12.85
1.77E+05	-91.65	-104.24	-94.06	176.50	-12.58	
1.77E+05	-101.34	-104.85	-98.67	176.75		
1.77E+05	-103.95	-104.97	-100.93	177.00		
1.77E+05	-104.28	-105.74	-103.84	177.25		
1.78E+05	-104.45	-107.13	-103.44	177.50		
1.78E+05	-105.67	-107.79	-103.38	177.75		
1.78E+05	-106.02	-107.75	-104.28	178.00		
1.78E+05	-105.03	-106.47	-104.21	178.25		
1.79E+05	-107.20	-107.80	-105.73	178.50		
1.79E+05	-107.36	-107.66	-105.14	178.75		
1.79E+05	-105.81	-106.98	-106.94	179.00		
1.79E+05	-106.78	-107.34	-107.08	179.25		
1.80E+05	-107.15	-108.59	-106.02	179.50		
1.80E+05	-107.45	-108.93	-106.65	179.75		
1.80E+05	-105.88	-106.65	-105.50	180.00		
1.80E+05	-106.62	-107.20	-106.26	180.25		

100-200 KHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

					Comparison	
					20-Dec	28-Dec
					minus the Ambient scan	
					dBm	dBm
					6.00	6.00
Frequency (Hz)	Ambient Scan No power line on the ground 9-Dec-10 Trace1 (dBm)	575' length of power cord on the ground connecting shed 20-Dec-10 Trace1 (dBm)	575' length of power cord on the ground receivers connected 28-Dec-10 Trace1 (dBm)	Freq KHz Enter Limit >		
1.81E+05	-106.56	-107.80	-106.86	180.50		
1.81E+05	-106.33	-106.18	-106.04	180.75		
1.81E+05	-106.13	-106.77	-106.42	181.00		
1.81E+05	-107.59	-106.44	-105.98	181.25		
1.82E+05	-107.07	-108.14	-105.82	181.50		
1.82E+05	-106.02	-106.20	-103.28	181.75		
1.82E+05	-107.73	-106.05	-105.45	182.00		
1.82E+05	-108.33	-106.16	-105.85	182.25		
1.83E+05	-108.11	-106.97	-106.75	182.50		
1.83E+05	-106.35	-105.98	-103.82	182.75		
1.83E+05	-106.50	-106.04	-104.18	183.00		
1.83E+05	-108.62	-108.08	-105.65	183.25		
1.84E+05	-108.00	-105.02	-105.71	183.50		
1.84E+05	-107.68	-104.57	-106.10	183.75		
1.84E+05	-108.16	-107.35	-105.31	184.00		
1.84E+05	-108.75	-93.44	-104.81	184.25	15.31	
1.85E+05	-90.38	-82.42	-105.19	184.50	7.96	-14.81
1.85E+05	-80.17	-86.41	-91.49	184.75	-6.23	-11.32
1.85E+05	-85.21	-104.89	-84.09	185.00	-19.68	
1.85E+05	-104.57	-105.75	-96.81	185.25		7.76
1.86E+05	-105.60	-106.64	-104.77	185.50		
1.86E+05	-106.91	-108.01	-105.47	185.75		
1.86E+05	-106.75	-105.86	-106.44	186.00		
1.86E+05	-106.69	-106.21	-106.13	186.25		
1.87E+05	-107.61	-106.17	-106.46	186.50		
1.87E+05	-106.73	-106.21	-106.43	186.75		
1.87E+05	-107.27	-107.05	-106.16	187.00		

100-200 KHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Frequency (Hz)	Ambient Scan	575' length of power	575' length of power	Freq KHz	Comparison	
	No power line	cord on the ground	cord on the ground		20-Dec	28-Dec
	on the ground	connecting shed	receivers connected		minus the Ambient scan	
	9-Dec-10	20-Dec-10	28-Dec-10		dBm	dBm
	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	6.00	6.00
1.87E+05	-107.95	-108.09	-107.69	187.25		
1.88E+05	-107.82	-108.08	-107.36	187.50		
1.88E+05	-107.20	-108.01	-107.50	187.75		
1.88E+05	-106.71	-106.23	-106.22	188.00		
1.88E+05	-106.66	-107.85	-106.23	188.25		
1.89E+05	-107.00	-108.64	-106.71	188.50		
1.89E+05	-108.29	-108.81	-107.62	188.75		
1.89E+05	-109.67	-109.11	-107.17	189.00		
1.89E+05	-109.61	-109.45	-107.47	189.25		
1.90E+05	-109.12	-107.58	-106.14	189.50		
1.90E+05	-107.73	-106.00	-105.57	189.75		
1.90E+05	-106.48	-107.78	-106.29	190.00		
1.90E+05	-106.41	-107.01	-105.98	190.25		
1.91E+05	-107.39	-108.88	-107.26	190.50		
1.91E+05	-107.04	-107.78	-105.95	190.75		
1.91E+05	-107.64	-108.15	-107.02	191.00		
1.91E+05	-108.09	-109.00	-106.79	191.25		
1.92E+05	-107.57	-107.54	-106.01	191.50		
1.92E+05	-107.57	-107.59	-106.88	191.75		
1.92E+05	-105.09	-107.28	-105.86	192.00		
1.92E+05	-105.08	-106.85	-106.46	192.25		
1.93E+05	-102.34	-89.01	-105.80	192.50	13.34	
1.93E+05	-72.34	-75.97	-105.72	192.75		-33.38
1.93E+05	-63.35	-79.85	-93.82	193.00	-16.50	-30.47
1.93E+05	-69.66	-101.59	-70.34	193.25	-31.93	
1.94E+05	-94.08	-108.74	-63.04	193.50	-14.66	31.04
1.94E+05	-105.95	-107.96	-75.98	193.75		29.97

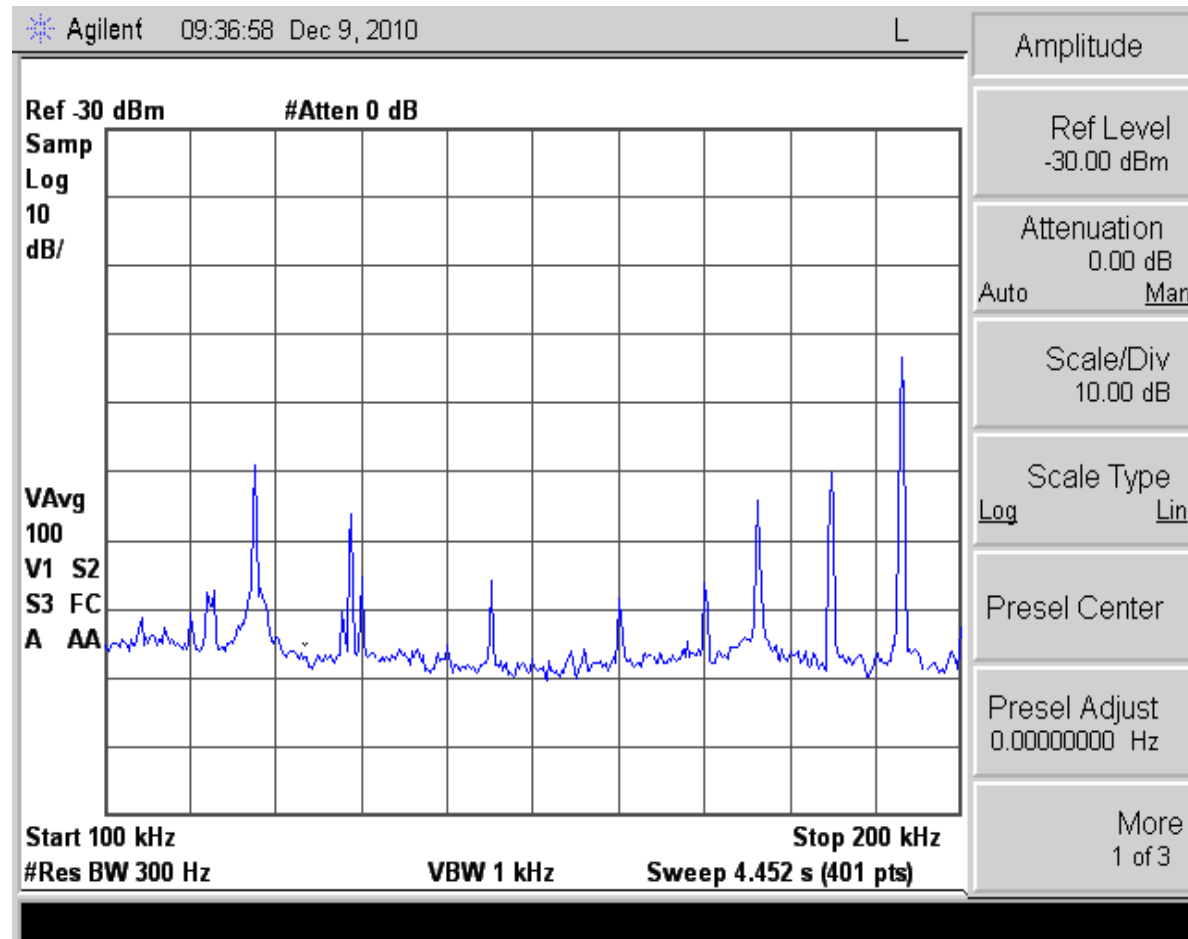
100-200 KHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Frequency (Hz)	Ambient Scan	575' length of power	575' length of power	Freq KHz	Comparison	
	No power line	cord on the ground	cord on the ground		20-Dec	28-Dec
	on the ground	connecting shed	receivers connected		minus the Ambient scan	
	9-Dec-10	20-Dec-10	28-Dec-10		dBm	dBm
	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	6.00	6.00
1.94E+05	-105.83	-107.15	-98.84	194.00		6.99
1.94E+05	-106.14	-105.86	-105.28	194.25		
1.95E+05	-105.82	-105.29	-105.35	194.50		
1.95E+05	-106.00	-106.28	-104.75	194.75		
1.95E+05	-106.38	-107.58	-107.42	195.00		
1.95E+05	-106.93	-106.93	-107.14	195.25		
1.96E+05	-108.53	-107.14	-104.54	195.50		
1.96E+05	-108.74	-107.87	-105.47	195.75		
1.96E+05	-108.61	-109.19	-105.77	196.00		
1.96E+05	-108.34	-108.46	-105.41	196.25		
1.97E+05	-108.00	-107.42	-107.92	196.50		
1.97E+05	-107.68	-106.36	-107.12	196.75		
1.97E+05	-107.60	-106.03	-106.04	197.00		
1.97E+05	-108.26	-106.24	-107.27	197.25		
1.98E+05	-109.03	-107.90	-106.26	197.50		
1.98E+05	-108.51	-109.41	-106.55	197.75		
1.98E+05	-109.15	-108.24	-106.43	198.00		
1.98E+05	-108.68	-108.46	-107.18	198.25		
1.99E+05	-107.55	-107.91	-106.54	198.50		
1.99E+05	-106.58	-105.33	-105.58	198.75		
1.99E+05	-105.87	-105.80	-106.50	199.00		
1.99E+05	-107.11	-106.31	-106.14	199.25		
2.00E+05	-108.62	-105.69	-106.85	199.50		
2.00E+05	-106.18	-104.49	-104.82	199.75		
2.00E+05	-102.25	-100.38	-100.44	200.00		
					-140.02	-53.54
						-193.56

100-200 KHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

		Ambient Scan		575' length of power		575' length of power		Comparison	
		No power line		cord on the ground		cord on the ground		20-Dec	28-Dec
		on the ground		connecting shed		receivers connected		minus the Ambient scan	
9-Dec-10				20-Dec-10		28-Dec-10		Freq KHz	
								dBm	dBm
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)		Trace1 (dBm)		Trace1 (dBm)		Enter Limit >	6.00
									6.00

Attenuation (dB)
 0.00E+00
 Center Frequency (Hz)
 1.50E+05
 Date/Time
 12/20/2010 11:42
 Instrument Model
 E4407B
 Instrument Serial Number
 MY45116875
 Reference Level (dBm)
 -3.00E+01
 Resolution BW (Hz)
 3.00E+02
 Scale Type
 LOG
 Span Frequency (Hz)
 1.00E+05
 Start Frequency (Hz)
 1.00E+05

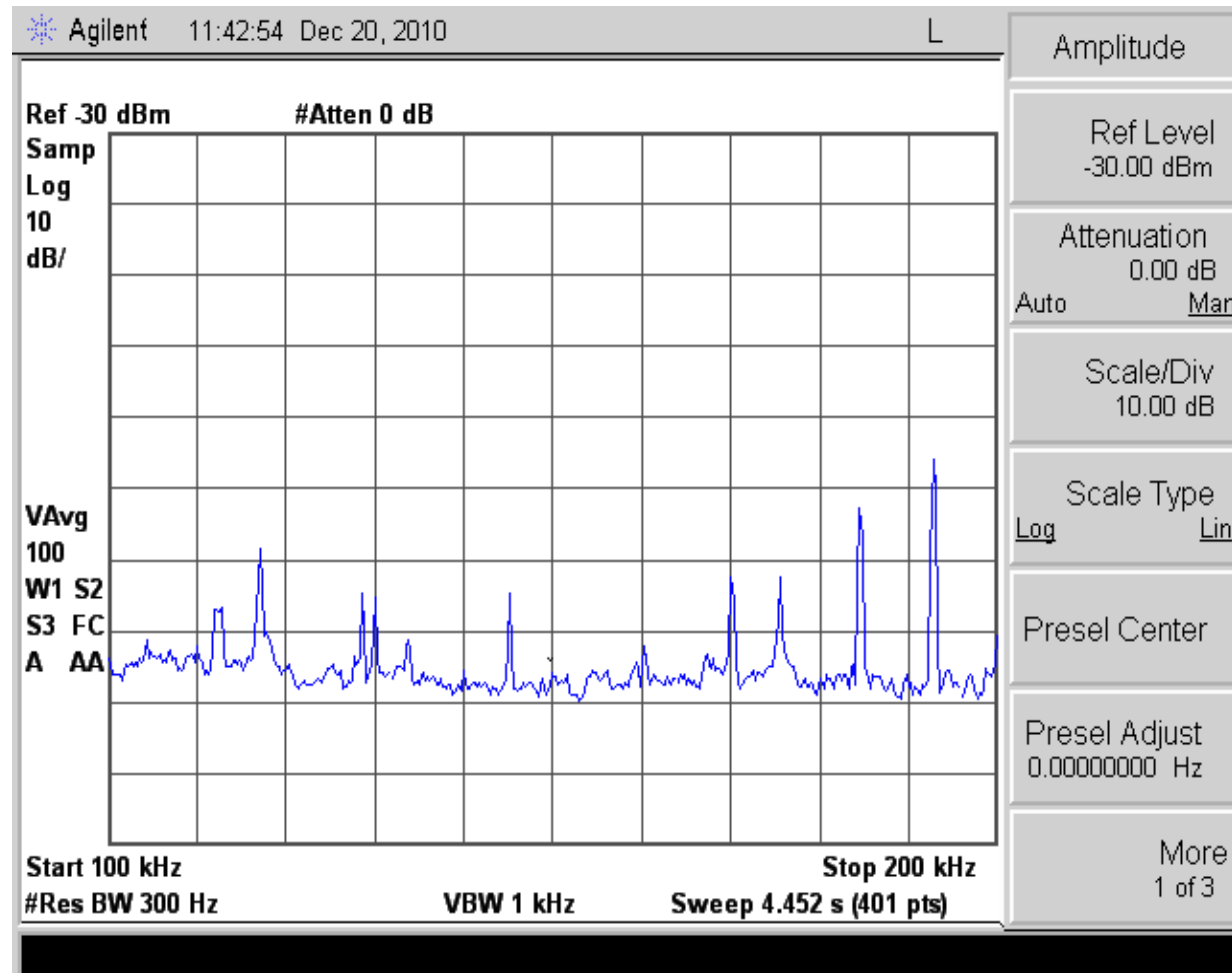


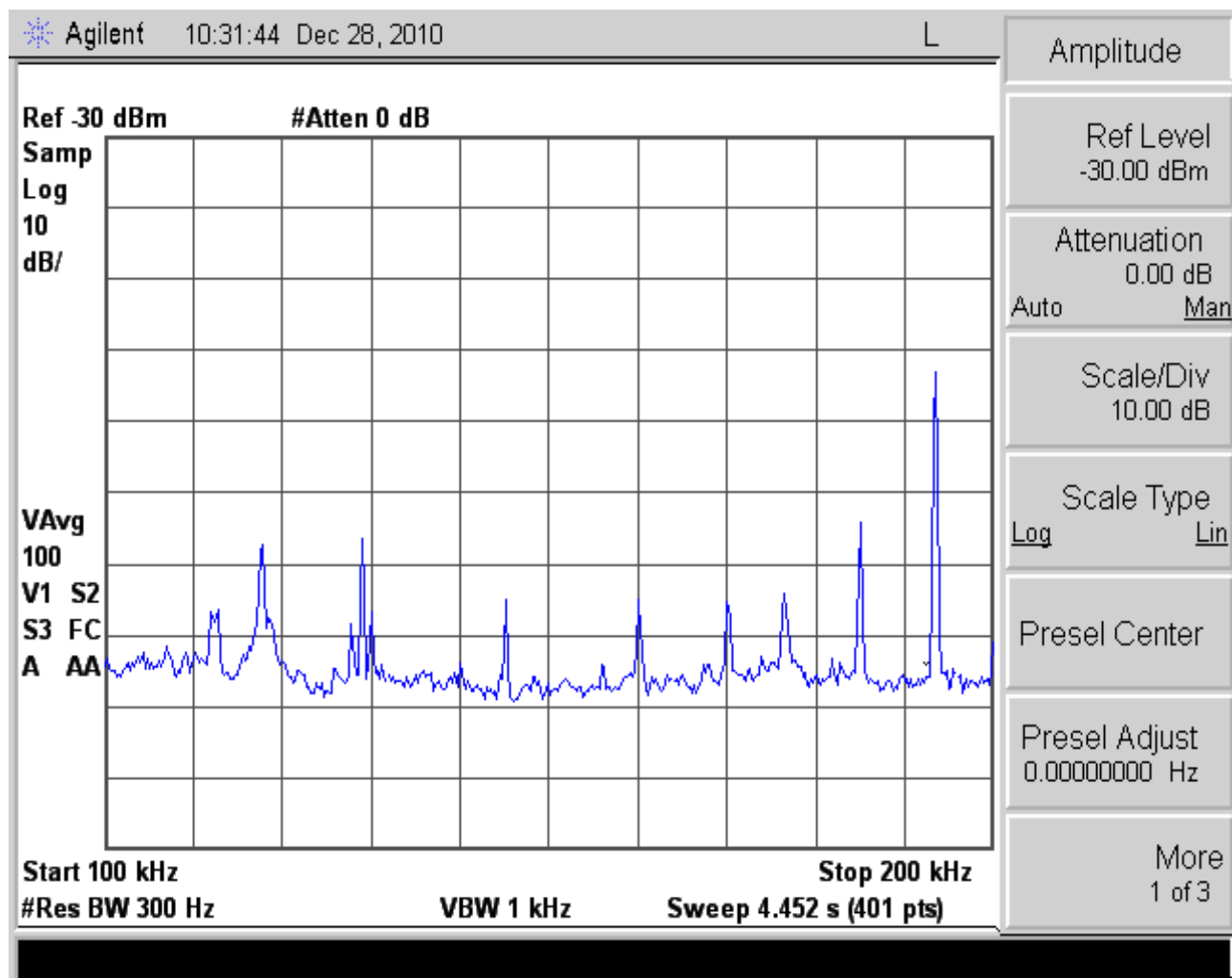
Stop Frequency (Hz)
2.00E+05

Sweep Number Of Points
401

Sweep Time (seconds)
4.45E+00

Video BW (Hz)
1.00E+03





200 KHz- 2 MHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

		Ambient Scan	575' length of power	575' length of power	Comparison	
		No power line	cord on the ground	cord on the ground	20-Dec	28-Dec
		on the ground	connecting shed	receivers connected	minus the Ambient scan	
		9-Dec-10	20-Dec-10	28-Dec-10	Freq MHz	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	dBm	dBm
					6.00	6.00
2.00E+05	-105.37	-104.54	-106.06	0.20		
2.05E+05	-101.60	-101.34	-102.60	0.20		
2.09E+05	-98.22	-102.37	-102.35	0.21		
2.14E+05	-104.22	-102.85	-105.38	0.21		
2.18E+05	-91.35	-90.35	-90.92	0.22		
2.23E+05	-104.31	-103.23	-100.88	0.22		
2.27E+05	-104.51	-102.66	-105.64	0.23		
2.32E+05	-88.11	-91.58	-102.19	0.23		-14.08
2.36E+05	-105.72	-104.46	-105.69	0.24		
2.41E+05	-100.04	-97.81	-100.03	0.24		
2.45E+05	-103.30	-102.53	-104.44	0.25		
2.50E+05	-98.51	-100.22	-98.60	0.25		
2.54E+05	-99.44	-100.73	-100.63	0.25		
2.59E+05	-99.00	-96.78	-97.53	0.26		
2.63E+05	-107.78	-103.91	-106.79	0.26		
2.68E+05	-91.96	-90.28	-91.93	0.27		
2.72E+05	-108.09	-103.78	-107.40	0.27		
2.77E+05	-108.29	-105.13	-106.21	0.28		
2.81E+05	-106.66	-105.78	-106.86	0.28		
2.86E+05	-98.01	-101.26	-92.72	0.29		
2.90E+05	-89.11	-85.85	-99.04	0.29		-9.93
2.95E+05	-92.63	-92.29	-93.61	0.29		
2.99E+05	-103.08	-105.72	-103.25	0.30		
3.04E+05	-104.77	-103.88	-101.71	0.30		
3.08E+05	-95.96	-103.29	-99.43	0.31	-7.32	
3.13E+05	-106.23	-103.96	-106.01	0.31		
3.17E+05	-89.70	-86.74	-90.00	0.32		

200 KHz- 2 MHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power		Comparison	
No power line		cord on the ground		20-Dec	28-Dec
on the ground		connecting shed		minus the Ambient scan	
9-Dec-10		20-Dec-10	28-Dec-10	Freq MHz	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	
					dBm
					dBm
					6.00
					6.00
3.22E+05	-100.03	-107.54	-92.10	0.32	-7.51
3.26E+05	-106.69	-107.11	-105.28	0.33	
3.31E+05	-104.35	-106.96	-108.80	0.33	
3.35E+05	-76.98	-75.24	-76.08	0.34	
3.40E+05	-106.25	-104.34	-103.87	0.34	
3.44E+05	-107.31	-105.73	-106.06	0.34	
3.49E+05	-94.15	-92.46	-99.07	0.35	
3.53E+05	-106.14	-107.14	-106.35	0.35	
3.58E+05	-106.12	-104.61	-105.13	0.36	
3.62E+05	-79.80	-82.90	-78.91	0.36	
3.67E+05	-91.83	-92.35	-100.82	0.37	-8.99
3.71E+05	-107.63	-108.79	-106.92	0.37	
3.76E+05	-107.14	-108.37	-106.89	0.38	
3.80E+05	-101.22	-106.14	-104.82	0.38	
3.85E+05	-107.84	-107.81	-105.82	0.38	
3.89E+05	-107.12	-104.91	-104.81	0.39	
3.94E+05	-108.97	-107.46	-107.21	0.39	
3.98E+05	-101.89	-101.53	-102.69	0.40	
4.03E+05	-101.15	-100.41	-100.83	0.40	
4.07E+05	-57.28	-55.91	-57.08	0.41	
4.12E+05	-95.82	-95.70	-97.25	0.41	
4.16E+05	-106.04	-107.37	-105.53	0.42	
4.21E+05	-106.92	-107.21	-107.31	0.42	
4.25E+05	-107.82	-107.89	-106.96	0.43	
4.30E+05	-108.46	-107.83	-108.00	0.43	
4.34E+05	-108.18	-106.83	-107.33	0.43	
4.39E+05	-102.74	-99.36	-101.33	0.44	

200 KHz- 2 MHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power		575' length of power		Comparison	
No power line		cord on the ground		cord on the ground		20-Dec	28-Dec
on the ground		connecting shed		receivers connected		minus the Ambient scan	
9-Dec-10		20-Dec-10		28-Dec-10		Freq MHz	
						dBm	dBm
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >		6.00	6.00
4.43E+05	-105.14	-109.57	-106.17	0.44			
4.48E+05	-72.58	-103.16	-101.84	0.45		-30.58	-29.26
4.52E+05	-103.30	-108.25	-86.86	0.45			16.45
4.57E+05	-102.29	-106.12	-103.83	0.46			
4.61E+05	-106.37	-108.33	-105.20	0.46			
4.66E+05	-96.58	-90.29	-100.93	0.47		6.29	
4.70E+05	-105.01	-107.49	-102.26	0.47			
4.75E+05	-108.30	-108.83	-106.31	0.47			
4.79E+05	-105.84	-106.47	-104.05	0.48			
4.84E+05	-107.21	-109.38	-107.03	0.48			
4.88E+05	-94.09	-91.40	-93.14	0.49			
4.93E+05	-107.61	-109.26	-108.47	0.49			
4.97E+05	-106.98	-107.83	-107.11	0.50			
5.02E+05	-105.77	-107.95	-102.32	0.50			
5.06E+05	-108.87	-106.02	-108.03	0.51			
5.11E+05	-105.17	-107.46	-103.73	0.51			
5.15E+05	-105.13	-106.24	-106.66	0.52			
5.20E+05	-107.20	-107.82	-99.84	0.52			7.36
5.24E+05	-97.92	-89.60	-104.25	0.52		8.32	-6.33
5.29E+05	-102.92	-105.92	-99.84	0.53			
5.33E+05	-92.75	-90.45	-92.30	0.53			
5.38E+05	-69.11	-67.97	-68.93	0.54			
5.42E+05	-92.96	-94.93	-90.72	0.54			
5.47E+05	-78.05	-76.61	-77.33	0.55			
5.51E+05	-94.95	-97.33	-98.50	0.55			
5.56E+05	-101.86	-101.38	-101.88	0.56			
5.60E+05	-92.55	-90.80	-92.41	0.56			

200 KHz- 2 MHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Frequency (Hz)	Ambient Scan	575' length of power	575' length of power	Freq MHz	Comparison	
	No power line	cord on the ground	cord on the ground		20-Dec	28-Dec
	on the ground	connecting shed	receivers connected		minus the Ambient scan	
	9-Dec-10	20-Dec-10	28-Dec-10		dBm	dBm
Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	6.00	6.00
5.65E+05	-104.98	-104.77	-100.39	0.56		
5.69E+05	-90.78	-92.44	-93.95	0.57		
5.74E+05	-87.14	-92.11	-89.82	0.57		
5.78E+05	-58.81	-56.99	-57.65	0.58		
5.83E+05	-90.04	-86.43	-96.13	0.58		-6.09
5.87E+05	-89.88	-88.44	-90.84	0.59		
5.92E+05	-106.27	-106.61	-105.11	0.59		
5.96E+05	-102.97	-100.83	-103.12	0.60		
6.01E+05	-108.44	-107.56	-107.24	0.60		
6.05E+05	-91.93	-96.78	-90.16	0.61		
6.10E+05	-105.29	-101.82	-103.65	0.61		
6.14E+05	-100.49	-96.39	-98.85	0.61		
6.19E+05	-78.13	-76.23	-78.20	0.62		
6.23E+05	-104.43	-98.68	-101.18	0.62		
6.28E+05	-89.35	-88.21	-88.33	0.63		
6.32E+05	-104.68	-106.12	-106.82	0.63		
6.37E+05	-96.38	-92.04	-93.11	0.64		
6.41E+05	-96.70	-87.88	-103.90	0.64	8.82	-7.19
6.46E+05	-102.15	-107.51	-94.11	0.65		8.04
6.50E+05	-104.94	-108.16	-106.96	0.65		
6.55E+05	-106.77	-104.87	-105.26	0.65		
6.59E+05	-104.05	-97.40	-98.08	0.66	6.64	
6.64E+05	-105.46	-106.87	-105.82	0.66		
6.68E+05	-87.46	-95.43	-90.22	0.67	-7.97	
6.73E+05	-109.01	-106.49	-108.01	0.67		
6.77E+05	-94.75	-92.99	-95.57	0.68		
6.82E+05	-99.20	-99.01	-98.44	0.68		

200 KHz- 2 MHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power	575' length of power	Comparison		
No power line		cord on the ground	cord on the ground	20-Dec	28-Dec	
on the ground		connecting shed	receivers connected	minus the Ambient scan		
9-Dec-10		20-Dec-10	28-Dec-10	Freq MHz		
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	dBm	dBm
					6.00	6.00
6.86E+05	-83.47	-82.35	-83.39	0.69		
6.91E+05	-92.40	-92.57	-91.83	0.69		
6.95E+05	-98.22	-99.08	-99.54	0.70		
7.00E+05	-98.54	-90.13	-103.50	0.70	8.41	
7.04E+05	-84.38	-102.04	-92.71	0.70	-17.67	-8.33
7.09E+05	-83.13	-83.02	-82.73	0.71		
7.13E+05	-103.31	-102.96	-102.38	0.71		
7.18E+05	-82.95	-83.22	-87.07	0.72		
7.22E+05	-78.29	-77.13	-76.47	0.72		
7.27E+05	-56.75	-55.45	-57.28	0.73		
7.31E+05	-74.46	-73.63	-75.07	0.73		
7.36E+05	-83.36	-79.22	-81.40	0.74		
7.40E+05	-101.16	-98.21	-101.98	0.74		
7.45E+05	-104.83	-102.42	-103.11	0.74		
7.49E+05	-93.76	-89.59	-90.80	0.75		
7.54E+05	-91.19	-84.78	-87.33	0.75	6.41	
7.58E+05	-59.49	-58.30	-58.81	0.76		
7.63E+05	-92.15	-88.20	-86.12	0.76		6.04
7.67E+05	-96.45	-92.11	-94.14	0.77		
7.72E+05	-104.00	-96.42	-97.02	0.77	7.58	6.98
7.76E+05	-89.15	-78.06	-79.86	0.78	11.08	9.29
7.81E+05	-94.23	-90.69	-91.29	0.78		
7.85E+05	-92.14	-81.26	-83.09	0.79	10.88	9.05
7.90E+05	-88.68	-77.78	-78.82	0.79	10.90	9.86
7.94E+05	-101.42	-91.71	-92.06	0.79	9.71	9.36
7.99E+05	-91.18	-78.86	-81.00	0.80	12.32	10.18
8.03E+05	-98.54	-86.56	-88.88	0.80	11.99	9.67

200 KHz- 2 MHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power		Comparison		
No power line		cord on the ground		20-Dec	28-Dec	
on the ground		connecting shed		minus the Ambient scan		
9-Dec-10		20-Dec-10	28-Dec-10	Freq MHz		
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	dBm	dBm
					6.00	6.00
8.08E+05	-91.18	-97.40	-99.72	0.81	-6.22	-8.54
8.12E+05	-105.97	-106.60	-105.95	0.81		
8.17E+05	-96.81	-86.74	-99.84	0.82	10.08	
8.21E+05	-89.96	-91.07	-85.89	0.82		
8.26E+05	-75.56	-74.56	-76.29	0.83		
8.30E+05	-79.22	-80.67	-80.78	0.83		
8.35E+05	-88.81	-90.20	-87.71	0.83		
8.39E+05	-103.94	-102.02	-104.07	0.84		
8.44E+05	-108.36	-106.93	-99.45	0.84		8.92
8.48E+05	-96.73	-95.43	-98.24	0.85		
8.53E+05	-108.58	-106.76	-106.92	0.85		
8.57E+05	-93.82	-91.09	-93.61	0.86		
8.62E+05	-86.29	-91.05	-86.14	0.86		
8.66E+05	-105.96	-107.13	-107.31	0.87		
8.71E+05	-107.06	-105.12	-106.03	0.87		
8.75E+05	-99.96	-89.63	-106.35	0.88	10.32	-6.39
8.80E+05	-96.80	-107.00	-94.71	0.88	-10.20	
8.84E+05	-105.60	-110.49	-106.16	0.88		
8.89E+05	-100.04	-99.41	-100.89	0.89		
8.93E+05	-98.12	-97.51	-98.45	0.89		
8.98E+05	-80.30	-102.14	-100.20	0.90	-21.84	-19.90
9.02E+05	-100.08	-109.72	-92.16	0.90	-9.64	7.93
9.07E+05	-94.52	-91.78	-91.02	0.91		
9.11E+05	-106.67	-105.78	-103.36	0.91		
9.16E+05	-105.74	-104.48	-104.30	0.92		
9.20E+05	-101.26	-99.10	-102.15	0.92		
9.25E+05	-89.66	-88.31	-90.03	0.92		

200 KHz- 2 MHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Frequency (Hz)	Ambient Scan	575' length of power	575' length of power	Freq MHz	Comparison	
	No power line	cord on the ground	cord on the ground		20-Dec	28-Dec
	on the ground	connecting shed	receivers connected		minus the Ambient scan	
	9-Dec-10	20-Dec-10	28-Dec-10		dBm	dBm
Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	6.00	6.00
9.29E+05	-74.62	-72.88	-74.38	0.93		
9.34E+05	-97.80	-84.06	-103.11	0.93	13.73	
9.38E+05	-75.03	-73.47	-74.61	0.94		
9.43E+05	-102.83	-106.59	-102.50	0.94		
9.47E+05	-91.26	-89.68	-92.02	0.95		
9.52E+05	-109.61	-109.06	-108.64	0.95		
9.56E+05	-101.28	-99.94	-100.28	0.96		
9.61E+05	-106.24	-107.56	-107.38	0.96		
9.65E+05	-105.31	-106.99	-93.36	0.97		11.94
9.70E+05	-93.26	-98.26	-99.89	0.97		-6.64
9.74E+05	-87.52	-86.20	-90.14	0.97		
9.79E+05	-68.42	-67.28	-68.43	0.98		
9.83E+05	-92.32	-93.48	-96.11	0.98		
9.88E+05	-76.02	-75.00	-76.38	0.99		
9.92E+05	-96.76	-85.26	-102.39	0.99	11.50	
9.97E+05	-91.31	-101.91	-94.81	1.00	-10.60	
1.00E+06	-99.65	-95.13	-103.63	1.00		
1.01E+06	-101.11	-98.09	-93.10	1.01		8.02
1.01E+06	-105.65	-102.61	-103.73	1.01		
1.01E+06	-108.56	-104.95	-105.29	1.01		
1.02E+06	-101.62	-98.34	-103.94	1.02		
1.02E+06	-97.35	-96.89	-98.56	1.02		
1.03E+06	-64.48	-63.22	-64.76	1.03		
1.03E+06	-100.61	-98.25	-102.25	1.03		
1.04E+06	-99.70	-97.16	-99.22	1.04		
1.04E+06	-104.84	-101.78	-107.15	1.04		
1.05E+06	-104.61	-102.26	-106.00	1.05		

200 KHz- 2 MHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Frequency (Hz)	Ambient Scan	575' length of power	575' length of power	Freq MHz	Comparison	
	No power line	cord on the ground	cord on the ground		20-Dec	28-Dec
	on the ground	connecting shed	receivers connected		minus the Ambient scan	
	9-Dec-10	20-Dec-10	28-Dec-10		dBm	dBm
Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	6.00	6.00
1.05E+06	-98.59	-86.39	-104.52	1.05	12.20	
1.06E+06	-88.40	-100.23	-96.00	1.06	-11.83	-7.60
1.06E+06	-100.65	-100.47	-99.41	1.06		
1.06E+06	-107.84	-107.17	-106.45	1.06		
1.07E+06	-99.01	-101.81	-101.14	1.07		
1.07E+06	-97.53	-101.42	-96.52	1.07		
1.08E+06	-71.60	-70.43	-71.70	1.08		
1.08E+06	-98.39	-101.00	-95.74	1.08		
1.09E+06	-100.40	-102.34	-100.45	1.09		
1.09E+06	-83.80	-96.91	-97.86	1.09	-13.11	-14.06
1.10E+06	-95.73	-94.61	-91.98	1.10		
1.10E+06	-100.96	-98.42	-96.37	1.10		
1.10E+06	-103.23	-100.18	-102.81	1.10		
1.11E+06	-97.05	-81.89	-104.91	1.11	15.16	-7.86
1.11E+06	-83.45	-102.42	-96.12	1.11	-18.97	-12.67
1.12E+06	-89.43	-92.89	-89.40	1.12		
1.12E+06	-105.29	-106.59	-103.59	1.12		
1.13E+06	-85.19	-84.05	-85.93	1.13		
1.13E+06	-105.03	-107.23	-103.32	1.13		
1.14E+06	-102.56	-105.59	-105.26	1.14		
1.14E+06	-105.88	-108.23	-107.67	1.14		
1.15E+06	-105.06	-106.28	-105.45	1.15		
1.15E+06	-93.06	-91.74	-92.77	1.15		
1.15E+06	-104.00	-107.03	-108.00	1.15		
1.16E+06	-94.04	-99.19	-101.77	1.16		-7.73
1.16E+06	-104.26	-102.32	-105.38	1.16		
1.17E+06	-77.07	-81.67	-87.10	1.17		-10.03

200 KHz- 2 MHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power		Comparison		
No power line		cord on the ground		20-Dec	28-Dec	
on the ground		connecting shed		minus the Ambient scan		
9-Dec-10		20-Dec-10	28-Dec-10	Freq MHz		
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	dBm	dBm
					6.00	6.00
1.17E+06	-83.06	-103.00	-97.84	1.17	-19.94	-14.79
1.18E+06	-99.73	-107.37	-100.16	1.18	-7.64	
1.18E+06	-85.23	-88.70	-85.14	1.18		
1.19E+06	-106.80	-105.58	-105.54	1.19		
1.19E+06	-107.89	-106.15	-106.76	1.19		
1.19E+06	-89.97	-93.57	-90.54	1.19		
1.20E+06	-100.04	-98.21	-95.43	1.20		
1.20E+06	-93.03	-91.08	-88.54	1.20		
1.21E+06	-63.74	-63.21	-63.36	1.21		
1.21E+06	-91.69	-91.24	-90.19	1.21		
1.22E+06	-99.40	-97.36	-98.73	1.22		
1.22E+06	-103.42	-101.07	-89.43	1.22		13.99
1.23E+06	-94.81	-83.56	-99.74	1.23	11.26	
1.23E+06	-81.29	-101.18	-97.64	1.23	-19.90	-16.36
1.24E+06	-96.90	-104.82	-96.35	1.24	-7.91	
1.24E+06	-96.84	-96.68	-98.86	1.24		
1.24E+06	-91.94	-90.69	-92.07	1.24		
1.25E+06	-67.10	-65.41	-66.94	1.25		
1.25E+06	-95.28	-91.49	-100.59	1.25		
1.26E+06	-84.00	-88.77	-89.59	1.26		
1.26E+06	-105.82	-106.90	-106.32	1.26		
1.27E+06	-98.68	-100.24	-93.81	1.27		
1.27E+06	-107.14	-104.50	-104.28	1.27		
1.28E+06	-100.84	-97.45	-100.10	1.28		
1.28E+06	-90.68	-98.26	-105.19	1.28	-7.58	-14.51
1.28E+06	-95.01	-81.51	-97.59	1.28	13.50	
1.29E+06	-77.83	-92.06	-90.83	1.29	-14.23	-13.00

200 KHz- 2 MHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power		Comparison	
No power line		cord on the ground		20-Dec	28-Dec
on the ground		connecting shed		minus the Ambient scan	
9-Dec-10		20-Dec-10	28-Dec-10	Freq MHz	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	
					dBm
					dBm
					6.00
					6.00
1.29E+06	-95.91	-101.03	-90.95	1.29	
1.30E+06	-80.84	-81.82	-79.87	1.30	
1.30E+06	-105.35	-105.42	-101.97	1.30	
1.31E+06	-79.07	-78.07	-80.12	1.31	
1.31E+06	-105.01	-104.58	-104.03	1.31	
1.32E+06	-106.55	-105.49	-105.94	1.32	
1.32E+06	-104.76	-103.23	-105.14	1.32	
1.33E+06	-98.87	-96.10	-96.61	1.33	
1.33E+06	-94.88	-93.00	-93.74	1.33	
1.33E+06	-99.32	-95.66	-102.47	1.33	
1.34E+06	-92.62	-96.88	-96.61	1.34	
1.34E+06	-92.69	-80.19	-95.20	1.34	12.50
1.35E+06	-76.99	-94.04	-88.95	1.35	-17.05
1.35E+06	-90.69	-99.49	-88.46	1.35	-8.80
1.36E+06	-79.35	-90.98	-78.87	1.36	-11.64
1.36E+06	-96.54	-101.13	-96.65	1.36	
1.37E+06	-96.86	-98.50	-99.05	1.37	
1.37E+06	-101.24	-101.46	-102.34	1.37	
1.37E+06	-97.67	-99.33	-98.14	1.37	
1.38E+06	-103.35	-101.00	-100.96	1.38	
1.38E+06	-103.16	-98.23	-104.13	1.38	
1.39E+06	-95.29	-97.40	-96.05	1.39	
1.39E+06	-85.72	-82.03	-85.16	1.39	
1.40E+06	-82.05	-81.81	-83.20	1.40	
1.40E+06	-91.96	-81.04	-91.98	1.40	10.92
1.41E+06	-77.40	-88.18	-88.45	1.41	-10.78
1.41E+06	-64.41	-68.27	-70.93	1.41	-6.51

200 KHz- 2 MHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Frequency (Hz)	Ambient Scan	575' length of power	575' length of power	Comparison		
	No power line	cord on the ground	cord on the ground	20-Dec	28-Dec	
	on the ground	connecting shed	receivers connected	minus the Ambient scan		
	9-Dec-10	20-Dec-10	28-Dec-10	Freq MHz		
	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	dBm	dBm
					6.00	6.00
1.42E+06	-49.97	-49.12	-50.82	1.42		
1.42E+06	-47.34	-44.59	-47.36	1.42		
1.42E+06	-66.33	-67.33	-69.09	1.42		
1.43E+06	-85.10	-87.09	-88.28	1.43		
1.43E+06	-96.44	-95.05	-98.04	1.43		
1.44E+06	-82.09	-85.93	-83.03	1.44		
1.44E+06	-88.01	-84.22	-85.86	1.44		
1.45E+06	-78.67	-77.26	-78.63	1.45		
1.45E+06	-93.88	-91.24	-95.54	1.45		
1.46E+06	-94.11	-90.32	-93.14	1.46		
1.46E+06	-76.14	-73.85	-74.25	1.46		
1.46E+06	-58.43	-54.98	-57.36	1.46		
1.47E+06	-42.08	-40.85	-42.23	1.47		
1.47E+06	-75.22	-72.95	-70.62	1.47		
1.48E+06	-78.79	-82.82	-82.68	1.48		
1.48E+06	-91.96	-96.23	-90.35	1.48		
1.49E+06	-85.24	-87.09	-86.90	1.49		
1.49E+06	-92.38	-92.36	-92.42	1.49		
1.50E+06	-92.94	-98.37	-103.44	1.50		-10.50
1.50E+06	-87.02	-88.13	-86.43	1.50		
1.51E+06	-72.36	-77.35	-100.41	1.51		-28.05
1.51E+06	-89.73	-93.15	-83.96	1.51		
1.51E+06	-95.48	-93.90	-98.88	1.51		
1.52E+06	-88.33	-77.96	-86.84	1.52	10.37	
1.52E+06	-80.31	-96.65	-94.11	1.52	-16.34	-13.80
1.53E+06	-86.24	-92.74	-76.85	1.53	-6.50	9.39
1.53E+06	-89.25	-92.61	-89.61	1.53		

200 KHz- 2 MHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Frequency (Hz)	Ambient Scan	575' length of power	575' length of power	Comparison		
	No power line	cord on the ground	cord on the ground	20-Dec	28-Dec	
	on the ground	connecting shed	receivers connected	minus the Ambient scan		
	9-Dec-10	20-Dec-10	28-Dec-10	Freq MHz	dBm	dBm
	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	6.00	6.00
1.54E+06	-82.03	-90.37	-90.15	1.54	-8.34	-8.12
1.54E+06	-87.46	-93.29	-96.97	1.54		-9.51
1.55E+06	-80.84	-84.39	-84.79	1.55		
1.55E+06	-86.46	-89.44	-89.99	1.55		
1.55E+06	-93.93	-96.63	-95.04	1.55		
1.56E+06	-83.78	-86.17	-83.47	1.56		
1.56E+06	-90.23	-92.35	-95.81	1.56		
1.57E+06	-95.17	-95.79	-100.83	1.57		
1.57E+06	-94.85	-92.58	-100.04	1.57		
1.58E+06	-71.36	-78.42	-82.05	1.58	-7.06	-10.69
1.58E+06	-79.70	-93.87	-91.91	1.58	-14.17	-12.21
1.59E+06	-89.76	-98.83	-76.90	1.59	-9.06	12.87
1.59E+06	-89.61	-95.11	-91.44	1.59		
1.60E+06	-98.32	-96.77	-96.64	1.60		
1.60E+06	-98.82	-99.44	-96.13	1.60		
1.60E+06	-99.24	-84.54	-92.77	1.60	14.70	6.47
1.61E+06	-98.42	-98.35	-90.70	1.61		7.72
1.61E+06	-100.41	-98.61	-99.33	1.61		
1.62E+06	-98.72	-96.96	-102.59	1.62		
1.62E+06	-103.04	-99.47	-102.95	1.62		
1.63E+06	-99.79	-95.44	-101.03	1.63		
1.63E+06	-98.02	-92.72	-99.90	1.63		
1.64E+06	-94.21	-77.54	-98.51	1.64	16.66	
1.64E+06	-80.82	-94.51	-93.65	1.64	-13.69	-12.83
1.64E+06	-89.45	-99.92	-77.70	1.64	-10.47	11.75
1.65E+06	-94.99	-99.15	-89.83	1.65		
1.65E+06	-101.00	-101.07	-99.22	1.65		

200 KHz- 2 MHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Frequency (Hz)	Ambient Scan	575' length of power	575' length of power	Freq MHz	Comparison	
	No power line	cord on the ground	cord on the ground		20-Dec	28-Dec
	on the ground	connecting shed	receivers connected		minus the Ambient scan	
	9-Dec-10	20-Dec-10	28-Dec-10		dBm	dBm
Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	6.00	6.00
1.66E+06	-93.60	-97.23	-99.27	1.66		
1.66E+06	-86.13	-90.36	-87.69	1.66		
1.67E+06	-99.91	-102.32	-101.43	1.67		
1.67E+06	-104.60	-101.60	-103.04	1.67		
1.68E+06	-103.66	-96.84	-103.50	1.68	6.82	
1.68E+06	-93.86	-99.10	-101.56	1.68		-7.70
1.69E+06	-100.75	-94.97	-104.14	1.69		
1.69E+06	-98.16	-91.37	-102.55	1.69	6.78	
1.69E+06	-88.43	-75.68	-89.02	1.69	12.75	
1.70E+06	-80.66	-92.65	-90.86	1.70	-11.98	-10.19
1.70E+06	-88.94	-99.24	-79.48	1.70	-10.30	9.46
1.71E+06	-97.19	-101.50	-91.58	1.71		
1.71E+06	-100.22	-101.10	-97.44	1.71		
1.72E+06	-102.55	-97.43	-101.15	1.72		
1.72E+06	-104.44	-102.21	-103.40	1.72		
1.73E+06	-82.33	-87.59	-82.66	1.73		
1.73E+06	-96.41	-101.51	-103.16	1.73		-6.75
1.73E+06	-96.98	-97.43	-103.75	1.73		-6.77
1.74E+06	-101.71	-99.41	-102.51	1.74		
1.74E+06	-100.85	-95.64	-103.02	1.74		
1.75E+06	-97.49	-90.70	-100.66	1.75	6.79	
1.75E+06	-92.47	-76.81	-97.40	1.75	15.66	
1.76E+06	-77.71	-79.42	-80.48	1.76		
1.76E+06	-87.50	-98.93	-80.91	1.76	-11.42	6.59
1.77E+06	-93.06	-95.91	-90.58	1.77		
1.77E+06	-100.76	-103.26	-97.67	1.77		
1.78E+06	-101.76	-104.07	-100.42	1.78		

200 KHz- 2 MHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Frequency (Hz)	Ambient Scan	575' length of power	575' length of power	Comparison		
	No power line	cord on the ground	cord on the ground	20-Dec	28-Dec	
	on the ground	connecting shed	receivers connected	minus the Ambient scan		
	9-Dec-10	20-Dec-10	28-Dec-10	Freq MHz	dBm	dBm
	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	6.00	6.00
1.78E+06	-102.52	-102.73	-103.59	1.78		
1.78E+06	-100.29	-99.32	-103.30	1.78		
1.79E+06	-83.53	-87.79	-83.67	1.79		
1.79E+06	-97.87	-96.32	-101.50	1.79		
1.80E+06	-81.76	-98.95	-99.53	1.80	-17.19	-17.77
1.80E+06	-86.34	-95.37	-93.25	1.80	-9.03	-6.91
1.81E+06	-92.79	-88.46	-91.28	1.81		
1.81E+06	-92.13	-75.46	-70.74	1.81	16.66	21.38
1.82E+06	-82.24	-91.97	-90.60	1.82	-9.74	-8.36
1.82E+06	-85.31	-86.20	-81.58	1.82		
1.82E+06	-92.80	-100.08	-89.80	1.82	-7.29	
1.83E+06	-97.69	-97.46	-93.55	1.83		
1.83E+06	-102.53	-99.54	-99.49	1.83		
1.84E+06	-101.90	-100.55	-100.08	1.84		
1.84E+06	-102.35	-94.75	-100.98	1.84	7.60	
1.85E+06	-103.24	-98.75	-96.67	1.85		6.57
1.85E+06	-93.68	-93.66	-93.49	1.85		
1.86E+06	-100.63	-96.84	-101.09	1.86		
1.86E+06	-98.60	-91.91	-102.48	1.86	6.69	
1.87E+06	-96.28	-87.34	-101.15	1.87	8.94	
1.87E+06	-91.16	-73.10	-96.62	1.87	18.06	
1.87E+06	-80.29	-89.96	-95.16	1.87	-9.67	-14.87
1.88E+06	-85.62	-93.30	-84.48	1.88	-7.68	
1.88E+06	-91.75	-97.28	-89.70	1.88		
1.89E+06	-98.10	-96.19	-93.50	1.89		
1.89E+06	-101.21	-93.27	-100.03	1.89	7.94	
1.90E+06	-100.57	-96.26	-101.34	1.90		

200 KHz- 2 MHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power		Comparison		
No power line		cord on the ground		20-Dec		28-Dec
on the ground		connecting shed		receivers connected		minus the Ambient scan
9-Dec-10		20-Dec-10		28-Dec-10		Freq MHz
						dBm
						dBm
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	6.00	6.00
1.90E+06	-99.97	-95.42	-97.28	1.90		
1.91E+06	-98.57	-94.54	-100.43	1.91		
1.91E+06	-100.30	-92.92	-93.90	1.91	7.38	6.40
1.91E+06	-98.70	-91.91	-95.69	1.91	6.79	
1.92E+06	-97.12	-90.00	-95.10	1.92	7.12	
1.92E+06	-86.38	-79.93	-86.36	1.92	6.45	
1.93E+06	-92.56	-73.87	-95.14	1.93	18.69	
1.93E+06	-82.36	-88.70	-89.49	1.93	-6.34	-7.13
1.94E+06	-85.66	-96.36	-77.58	1.94	-10.70	8.08
1.94E+06	-90.49	-98.56	-80.36	1.94	-8.08	10.13
1.95E+06	-96.45	-98.81	-83.87	1.95		12.57
1.95E+06	-95.09	-94.65	-91.36	1.95		
1.96E+06	-101.87	-100.29	-95.43	1.96		6.44
1.96E+06	-99.67	-98.56	-97.49	1.96		
1.96E+06	-100.25	-100.08	-96.57	1.96		
1.97E+06	-98.62	-96.83	-96.54	1.97		
1.97E+06	-97.04	-97.64	-96.99	1.97		
1.98E+06	-97.24	-93.31	-97.14	1.98		
1.98E+06	-87.19	-85.33	-87.82	1.98		
1.99E+06	-91.20	-75.32	-92.47	1.99	15.88	
1.99E+06	-82.41	-90.10	-86.95	1.99	-7.69	
2.00E+06	-84.86	-95.47	-77.95	2.00	-10.61	6.91
2.00E+06	-88.73	-97.29	-80.44	2.00	-8.56	8.29
					-71.58	-159.95
Sum						-231.53

200 KHz- 2 MHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power		575' length of power		Comparison	
No power line		cord on the ground		cord on the ground		20-Dec	28-Dec
on the ground		connecting shed		receivers connected		minus the Ambient scan	
9-Dec-10		20-Dec-10		28-Dec-10	Freq MHz	dBm	dBm
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)		Trace1 (dBm)	Enter Limit >	6.00	6.00

Attenuation (dB)
 0.00E+00

Center Frequency (Hz)
 1.10E+06

Date/Time
 12/20/2010 11:50

Instrument Model
 E4407B

Instrument Serial Number
 MY45116875

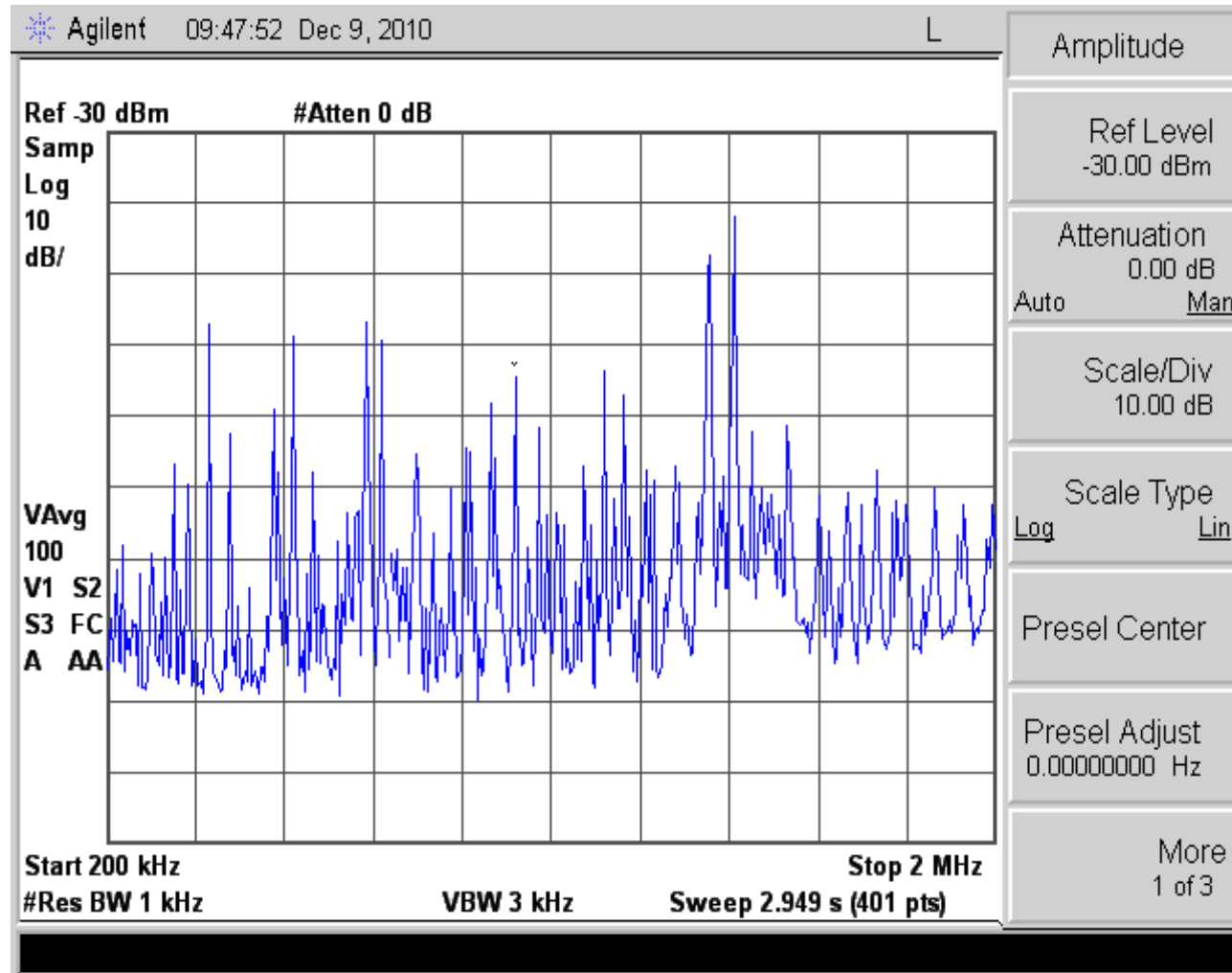
Reference Level (dBm)
 -3.00E+01

Resolution BW (Hz)
 1.00E+03

Scale Type
 LOG

Span Frequency (Hz)
 1.80E+06

Start Frequency (Hz)
 2.00E+05

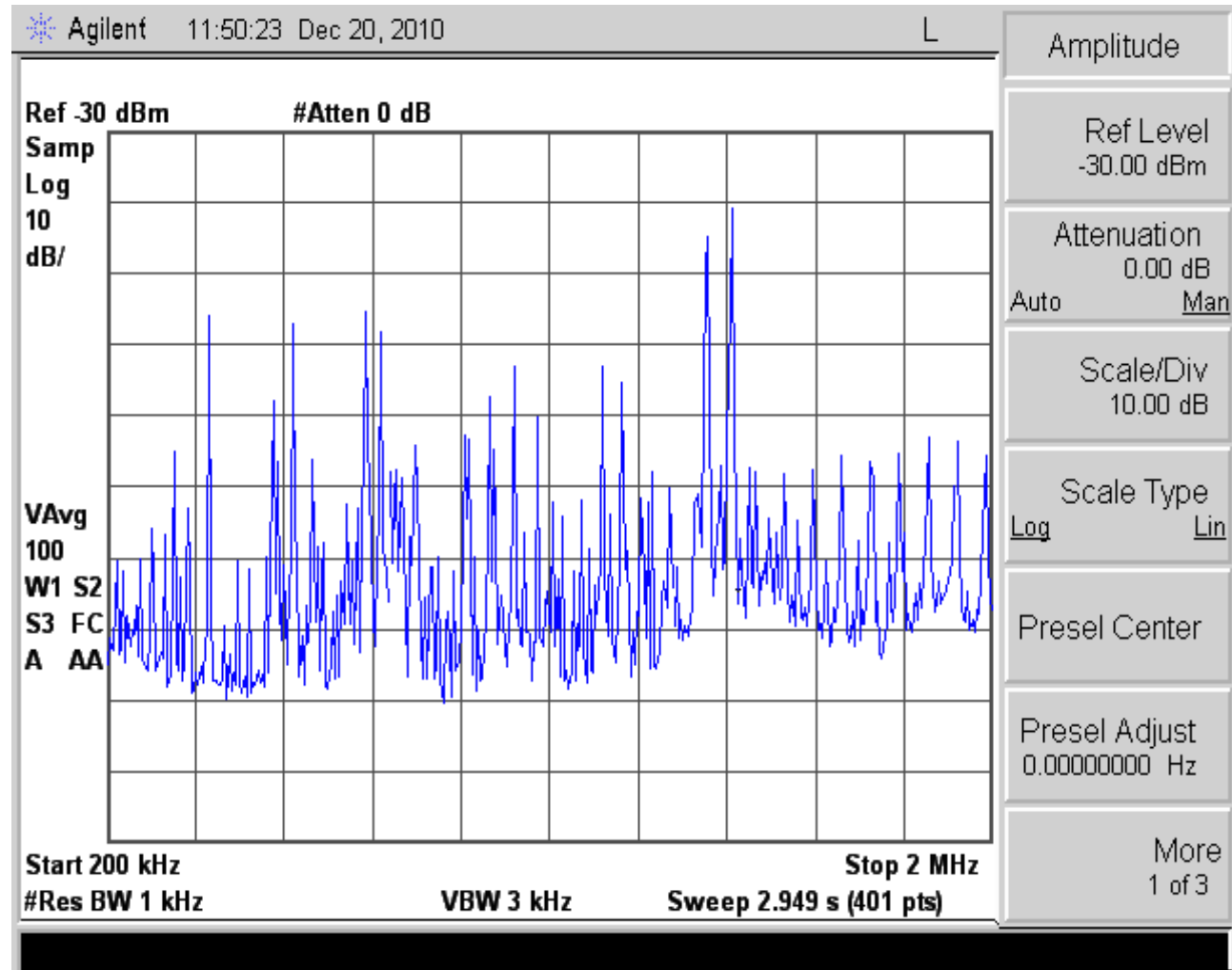


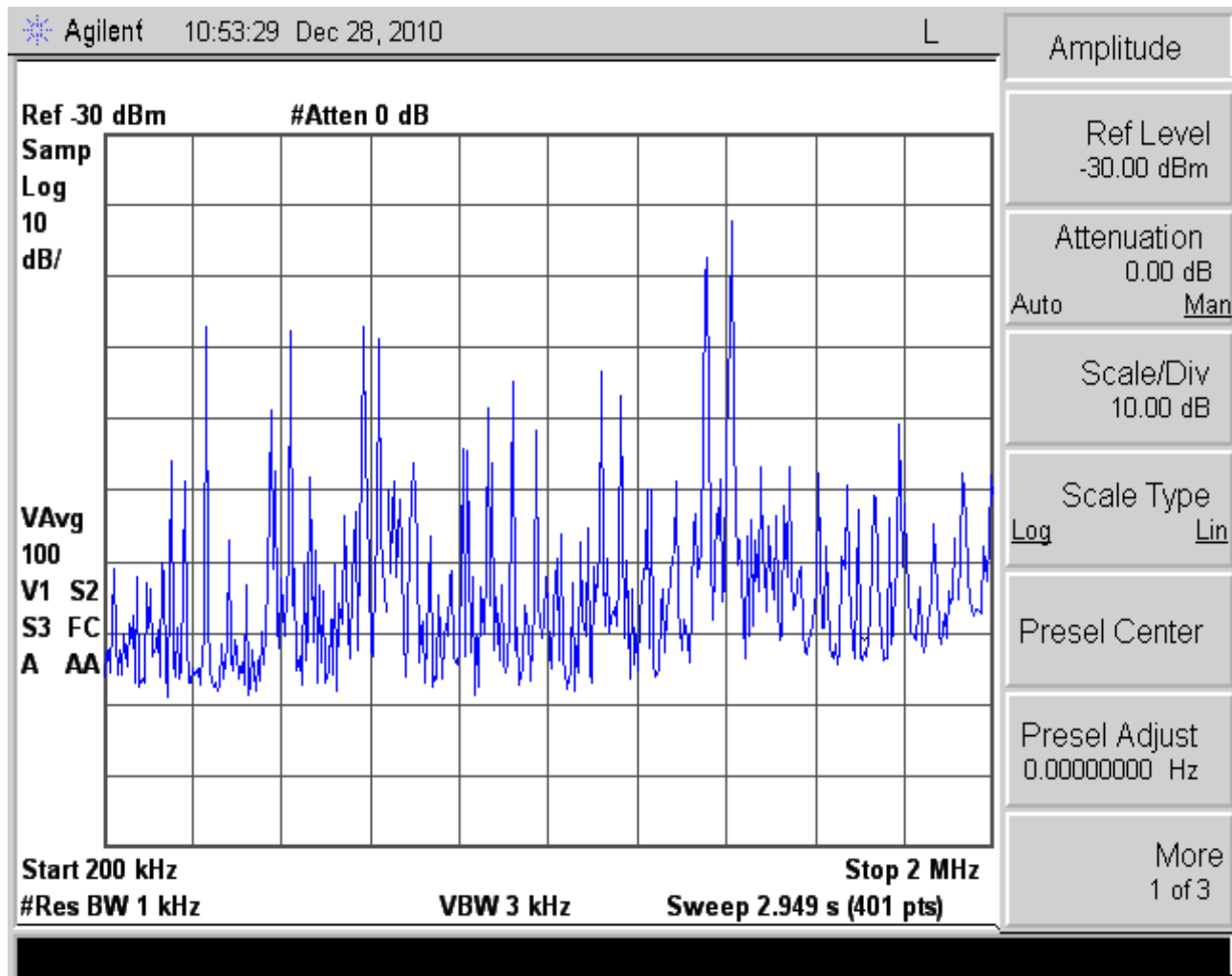
Stop Frequency (Hz)
2.00E+06

Sweep Number Of Points
401

Sweep Time (seconds)
2.95E+00

Video BW (Hz)
3.00E+03





2-30 MHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power	575' length of power		Comparison			
No power line		cord on the ground	cord on the ground		20-Dec		28-Dec	4-Jan
on the ground		connecting shed	receivers connected		minus the Ambient scan			
9-Dec-10		20-Dec-10	28-Dec-10	4-Jan-11	Freq MHz			
						dBm	dBm	dBm
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	6.00	6.00	6.00
2.00E+06	-80.03	-75.72	-81.47	-86.03	2.00			-6.0
2.07E+06	-73.33	-69.19	-74.48	-79.38	2.07			-6.05
2.14E+06	-71.54	-76.80	-65.79	-86.45	2.14			-14.92
2.21E+06	-58.57	-74.10	-71.97	-76.66	2.21	-15.53	-13.40	-18.09
2.28E+06	-81.39	-81.67	-82.73	-80.56	2.28			
2.35E+06	-80.40	-75.89	-81.09	-86.25	2.35			
2.42E+06	-74.42	-68.82	-76.69	-75.47	2.42			
2.49E+06	-69.06	-69.87	-66.79	-80.98	2.49			-11.92
2.56E+06	-71.83	-72.67	-69.48	-79.43	2.56			-7.59
2.63E+06	-76.89	-74.46	-77.33	-72.49	2.63			
2.70E+06	-71.81	-66.35	-71.95	-77.33	2.70			
2.77E+06	-63.41	-58.24	-66.63	-78.72	2.77			-15.31
2.84E+06	-54.39	-61.07	-55.98	-70.19	2.84	-6.69		-15.80
2.91E+06	-58.89	-62.39	-54.49	-72.71	2.91			-13.82
2.98E+06	-56.13	-51.01	-53.13	-72.78	2.98			-16.65
3.05E+06	-72.17	-65.88	-71.61	-67.25	3.05	6.29		
3.12E+06	-54.22	-62.16	-70.15	-70.44	3.12	-7.94	-15.93	-16.22
3.19E+06	-65.48	-70.15	-67.13	-66.33	3.19			
3.26E+06	-71.32	-75.71	-62.45	-64.04	3.26		8.87	7.28
3.33E+06	-78.48	-75.56	-74.03	-60.70	3.33			17.78
3.40E+06	-76.72	-71.52	-76.49	-66.28	3.40			10.44
3.47E+06	-71.70	-64.03	-70.94	-67.32	3.47	7.67		
3.54E+06	-67.62	-72.29	-71.97	-63.82	3.54			
3.61E+06	-69.24	-76.48	-66.73	-73.37	3.61	-7.24		
3.68E+06	-74.61	-77.87	-72.30	-75.11	3.68			
3.75E+06	-81.71	-74.84	-81.14	-67.59	3.75	6.86		14.12
3.82E+06	-79.06	-69.50	-80.59	-77.04	3.82	9.56		

2-30 MHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power		575' length of power		Comparison			
No power line		cord on the ground		cord on the ground		20-Dec	28-Dec	4-Jan	
on the ground		connecting shed		receivers connected		minus the Ambient scan			
9-Dec-10		20-Dec-10		28-Dec-10		4-Jan-11	Freq MHz		
							dBm	dBm	dBm
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >		6.00	6.00	6.00
3.89E+06	-71.88	-75.08	-79.05	-78.43	3.89			-7.17	-6.55
3.96E+06	-73.64	-80.40	-72.03	-72.18	3.96	-6.76			
4.03E+06	-79.75	-82.28	-74.65	-80.56	4.03				
4.10E+06	-86.95	-81.43	-85.32	-81.89	4.10				
4.17E+06	-86.62	-75.67	-85.51	-76.66	4.17	10.95			9.96
4.24E+06	-76.79	-75.25	-79.45	-79.91	4.24				
4.31E+06	-76.65	-84.39	-76.81	-85.05	4.31	-7.74			-8.40
4.38E+06	-78.10	-82.25	-74.64	-81.56	4.38				
4.45E+06	-81.56	-81.75	-82.73	-81.03	4.45				
4.52E+06	-89.40	-79.03	-90.01	-86.11	4.52	10.37			
4.59E+06	-82.33	-80.69	-85.50	-82.86	4.59				
4.66E+06	-78.88	-83.60	-82.41	-79.90	4.66				
4.73E+06	-82.36	-75.81	-73.87	-76.43	4.73	6.54	8.49		
4.80E+06	-89.41	-83.27	-82.47	-83.63	4.80	6.13	6.94		
4.87E+06	-91.29	-82.15	-90.71	-79.75	4.87	9.14			11.55
4.94E+06	-84.51	-83.71	-74.42	-85.84	4.94		10.08		
5.01E+06	-80.28	-85.36	-83.39	-84.13	5.01				
5.08E+06	-83.16	-83.82	-77.86	-83.74	5.08				
5.15E+06	-84.49	-82.88	-81.40	-84.51	5.15				
5.22E+06	-85.47	-76.99	-80.14	-77.73	5.22	8.49			7.74
5.29E+06	-85.09	-78.97	-87.54	-86.74	5.29	6.12			
5.36E+06	-75.82	-79.84	-86.21	-86.21	5.36		-10.39	-10.40	
5.43E+06	-81.25	-79.79	-77.78	-82.37	5.43				
5.50E+06	-83.75	-77.00	-80.39	-86.66	5.50	6.75			
5.57E+06	-86.19	-79.84	-84.24	-86.14	5.57	6.35			
5.64E+06	-82.05	-79.96	-81.55	-82.21	5.64				
5.71E+06	-78.15	-82.51	-85.61	-81.37	5.71		-7.46		

2-30 MHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

						Comparison		
Ambient Scan		575' length of power	575' length of power			20-Dec	28-Dec	4-Jan
No power line		cord on the ground	cord on the ground			minus the Ambient scan		
on the ground		connecting shed	receivers connected					
9-Dec-10		20-Dec-10	28-Dec-10	4-Jan-11	Freq MHz			
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	dBm	dBm	dBm
5.78E+06	-80.22	-82.58	-80.57	-84.18	5.78			
5.85E+06	-80.98	-78.86	-62.16	-83.45	5.85		18.81	
5.92E+06	-84.40	-79.60	-83.26	-86.07	5.92			
5.99E+06	-82.01	-76.18	-78.59	-82.75	5.99			
6.06E+06	-80.01	-82.09	-84.55	-84.20	6.06			
6.13E+06	-79.58	-77.86	-81.10	-85.05	6.13			
6.20E+06	-78.59	-75.71	-75.55	-83.31	6.20			
6.27E+06	-65.30	-75.17	-76.92	-83.40	6.27	-9.87	-11.63	-18.11
6.34E+06	-83.04	-77.36	-82.02	-81.84	6.34			
6.41E+06	-77.86	-81.42	-82.69	-82.65	6.41			
6.48E+06	-75.82	-76.84	-77.50	-78.26	6.48			
6.55E+06	-81.29	-80.08	-74.47	-78.20	6.55		6.82	
6.62E+06	-81.45	-77.10	-78.52	-80.74	6.62			
6.69E+06	-80.69	-74.45	-79.58	-80.30	6.69	6.24		
6.76E+06	-75.55	-76.23	-52.74	-77.94	6.76		22.81	
6.83E+06	-71.39	-77.79	-77.34	-80.06	6.83	-6.40		-8.67
6.90E+06	-74.58	-72.44	-71.13	-80.94	6.90			-6.36
6.97E+06	-72.83	-70.46	-69.63	-78.78	6.97			
7.04E+06	-73.47	-71.10	-72.49	-81.97	7.04			-8.50
7.11E+06	-72.96	-73.96	-75.23	-81.84	7.11			-8.88
7.18E+06	-63.92	-76.74	-73.64	-80.36	7.18	-12.82	-9.72	-16.44
7.25E+06	-67.97	-65.39	-67.64	-80.13	7.25			-12.16
7.32E+06	-74.14	-72.06	-68.68	-80.48	7.32			-6.34
7.39E+06	-72.86	-67.71	-71.58	-77.87	7.39			
7.46E+06	-72.99	-72.55	-74.15	-75.88	7.46			
7.53E+06	-66.64	-72.36	-73.05	-76.32	7.53		-6.40	-9.67
7.60E+06	-68.35	-69.25	-69.50	-74.56	7.60			-6.21

2-30 MHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

						Comparison		
Ambient Scan		575' length of power	575' length of power			20-Dec	28-Dec	4-Jan
No power line		cord on the ground	cord on the ground			minus the Ambient scan		
on the ground		connecting shed	receivers connected					
9-Dec-10		20-Dec-10	28-Dec-10	4-Jan-11	Freq MHz			
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	dBm	dBm	dBm
7.67E+06	-70.58	-66.64	-44.13	-73.32	7.67	6.00	26.45	6.00
7.74E+06	-69.97	-62.85	-66.32	-69.59	7.74	7.12		
7.81E+06	-74.20	-70.52	-73.33	-72.90	7.81			
7.88E+06	-69.97	-73.27	-73.96	-72.82	7.88			
7.95E+06	-71.34	-72.98	-74.37	-73.16	7.95			
8.02E+06	-75.58	-71.98	-70.01	-73.92	8.02			
8.09E+06	-75.95	-69.57	-74.52	-74.68	8.09	6.38		
8.16E+06	-76.57	-72.87	-76.98	-74.23	8.16			
8.23E+06	-72.65	-71.32	-74.51	-68.38	8.23			
8.30E+06	-71.88	-75.55	-77.21	-76.70	8.30			
8.37E+06	-77.36	-73.18	-72.48	-76.13	8.37			
8.44E+06	-76.50	-68.90	-72.53	-75.65	8.44	7.61		
8.51E+06	-67.63	-70.07	-75.18	-74.07	8.51		-7.55	-6.44
8.58E+06	-74.35	-77.48	-63.01	-74.81	8.58		11.34	
8.65E+06	-70.75	-73.24	-75.94	-64.21	8.65			6.54
8.72E+06	-79.04	-75.25	-74.98	-70.48	8.72			8.56
8.79E+06	-79.55	-71.29	-73.04	-75.05	8.79	8.26	6.52	
8.86E+06	-80.34	-75.89	-78.76	-73.96	8.86			6.39
8.93E+06	-76.31	-80.57	-81.07	-75.24	8.93			
9.00E+06	-69.39	-77.72	-76.01	-76.56	9.00	-8.32	-6.62	-7.17
9.07E+06	-77.91	-77.73	-76.82	-76.09	9.07			
9.14E+06	-80.84	-71.96	-72.19	-77.58	9.14	8.88	8.65	
9.21E+06	-80.51	-74.62	-79.25	-78.51	9.21			
9.28E+06	-77.31	-81.04	-82.43	-77.57	9.28			
9.35E+06	-70.01	-78.80	-78.88	-70.13	9.35	-8.79	-8.87	
9.42E+06	-54.61	-80.11	-80.90	-75.79	9.42	-25.50	-26.29	-21.18
9.49E+06	-81.45	-73.59	-67.89	-76.17	9.49	7.85	13.56	

2-30 MHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power		575' length of power		Comparison		
No power line		cord on the ground		cord on the ground		20-Dec	28-Dec	4-Jan
on the ground		connecting shed		receivers connected		minus the Ambient scan		
9-Dec-10		20-Dec-10		28-Dec-10	4-Jan-11	Freq MHz		
						dBm	dBm	dBm
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	6.00	6.00	6.00
9.56E+06	-82.27	-77.11	-79.28	-78.14	9.56			
9.63E+06	-80.86	-83.38	-85.00	-79.00	9.63			
9.70E+06	-71.20	-85.14	-87.39	-80.69	9.70	-13.94	-16.19	-9.49
9.77E+06	-71.79	-80.96	-73.29	-68.27	9.77	-9.16		
9.84E+06	-81.73	-74.74	-74.72	-78.99	9.84	6.99	7.00	
9.91E+06	-82.67	-77.45	-72.41	-80.37	9.91		10.26	
9.98E+06	-75.67	-81.01	-80.76	-75.90	9.98			
1.01E+07	-69.86	-84.53	-81.13	-80.64	10.05	-14.67	-11.27	-10.78
1.01E+07	-69.91	-81.55	-81.26	-82.71	10.12	-11.64	-11.35	-12.80
1.02E+07	-79.19	-73.36	-74.64	-82.09	10.19			
1.03E+07	-80.00	-74.47	-71.68	-83.64	10.26		8.33	
1.03E+07	-57.98	-80.06	-78.92	-82.82	10.33	-22.08	-20.94	-24.84
1.04E+07	-69.56	-81.39	-65.57	-75.43	10.40	-11.83		
1.05E+07	-68.27	-80.72	-80.57	-82.27	10.47	-12.45	-12.30	-13.99
1.05E+07	-78.34	-73.78	-78.16	-82.50	10.54			
1.06E+07	-78.61	-74.75	-74.26	-81.98	10.61			
1.07E+07	-78.27	-81.60	-79.26	-83.51	10.68			
1.08E+07	-71.25	-80.32	-80.90	-80.56	10.75	-9.07	-9.65	-9.31
1.08E+07	-71.12	-81.29	-72.41	-84.00	10.82	-10.16		-12.87
1.09E+07	-77.29	-73.88	-81.13	-84.34	10.89			-7.05
1.10E+07	-78.41	-73.10	-78.47	-84.32	10.96			
1.10E+07	-77.05	-78.67	-78.83	-85.93	11.03			-8.89
1.11E+07	-75.47	-78.31	-80.43	-84.83	11.10			-9.36
1.12E+07	-73.58	-79.07	-83.23	-86.72	11.17		-9.65	-13.14
1.12E+07	-76.37	-72.91	-80.45	-80.11	11.24			
1.13E+07	-79.04	-73.37	-82.12	-84.47	11.31			
1.14E+07	-78.46	-79.76	-82.82	-87.72	11.38			-9.26

2-30 MHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

						Comparison		
Ambient Scan		575' length of power	575' length of power			20-Dec	28-Dec	4-Jan
No power line		cord on the ground	cord on the ground			minus the Ambient scan		
on the ground		connecting shed	receivers connected					
9-Dec-10		20-Dec-10	28-Dec-10	4-Jan-11	Freq MHz			
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	dBm	dBm	dBm
1.15E+07	-77.68	-81.04	-84.50	-84.50	11.45	6.00	6.00	6.00
1.15E+07	-72.02	-77.06	-84.45	-83.05	11.52		-6.82	-6.82
1.16E+07	-78.25	-76.55	-85.31	-85.40	11.59		-12.43	-11.03
1.17E+07	-65.34	-71.68	-76.87	-78.46	11.66		-7.06	-7.15
1.17E+07	-74.38	-71.60	-71.32	-74.46	11.73	-6.34	-11.53	-13.12
1.18E+07	-76.95	-79.85	-81.58	-87.18	11.80			-10.23
1.19E+07	-74.59	-78.76	-82.49	-81.99	11.87		-7.90	-7.39
1.19E+07	-75.04	-75.67	-86.20	-83.50	11.94		-11.15	-8.46
1.20E+07	-73.37	-67.83	-71.62	-74.99	12.01			
1.21E+07	-74.71	-76.01	-84.27	-81.57	12.08		-9.56	-6.86
1.22E+07	-76.39	-77.85	-84.14	-82.71	12.15		-7.75	-6.32
1.22E+07	-75.03	-80.75	-85.53	-86.51	12.22		-10.50	-11.48
1.23E+07	-72.96	-77.28	-84.24	-80.80	12.29		-11.28	-7.84
1.24E+07	-78.54	-74.10	-84.18	-85.50	12.36			-6.95
1.24E+07	-78.52	-78.62	-83.39	-86.17	12.43			-7.65
1.25E+07	-78.22	-78.31	-81.12	-80.37	12.50			
1.26E+07	-66.82	-78.23	-80.44	-84.72	12.57	-11.41	-13.63	-17.90
1.26E+07	-74.91	-75.51	-80.11	-83.67	12.64			-8.76
1.27E+07	-78.79	-72.32	-81.94	-82.41	12.71	6.47		
1.28E+07	-78.75	-77.46	-81.71	-84.85	12.78			-6.10
1.29E+07	-80.30	-80.77	-81.94	-84.75	12.85			
1.29E+07	-77.84	-79.01	-82.30	-85.88	12.92			-8.04
1.30E+07	-75.28	-76.48	-81.77	-81.62	12.99		-6.49	-6.34
1.31E+07	-81.10	-74.28	-83.07	-84.72	13.06	6.82		
1.31E+07	-81.64	-79.20	-81.15	-85.53	13.13			
1.32E+07	-82.32	-82.35	-79.59	-84.19	13.20			
1.33E+07	-80.22	-83.66	-80.10	-84.36	13.27			

2-30 MHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power		575' length of power		Comparison		
No power line		cord on the ground		cord on the ground		20-Dec	28-Dec	4-Jan
on the ground		connecting shed		receivers connected		minus the Ambient scan		
9-Dec-10		20-Dec-10		28-Dec-10	4-Jan-11	Freq MHz		
						dBm	dBm	dBm
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	6.00	6.00	6.00
1.33E+07	-77.71	-81.43	-81.53	-84.40	13.34			-6.69
1.34E+07	-81.69	-78.24	-83.27	-83.71	13.41			
1.35E+07	-75.34	-83.83	-82.61	-83.75	13.48	-8.49	-7.26	-8.41
1.36E+07	-83.80	-78.81	-71.25	-81.65	13.55		12.55	
1.36E+07	-83.03	-82.08	-82.42	-80.87	13.62			
1.37E+07	-77.80	-82.94	-82.55	-81.22	13.69			
1.38E+07	-80.05	-77.13	-83.12	-81.56	13.76			
1.38E+07	-74.17	-79.18	-73.37	-83.85	13.83			-9.68
1.39E+07	-83.97	-84.25	-77.20	-79.85	13.90		6.77	
1.40E+07	-82.21	-81.90	-79.03	-80.50	13.97			
1.40E+07	-77.90	-81.80	-81.30	-82.44	14.04			
1.41E+07	-77.60	-77.47	-82.29	-74.47	14.11			
1.42E+07	-81.35	-77.62	-80.84	-80.79	14.18			
1.43E+07	-83.10	-81.79	-76.14	-75.89	14.25		6.96	7.21
1.43E+07	-77.93	-80.90	-77.96	-70.94	14.32			6.99
1.44E+07	-76.90	-77.72	-81.98	-80.93	14.39			
1.45E+07	-76.90	-77.87	-74.08	-80.64	14.46			
1.45E+07	-75.60	-78.42	-83.81	-71.51	14.53		-8.21	
1.46E+07	-80.67	-81.93	-80.04	-82.24	14.60			
1.47E+07	-80.54	-84.70	-77.19	-81.33	14.67			
1.47E+07	-75.82	-80.07	-81.68	-72.82	14.74			
1.48E+07	-74.87	-78.61	-84.93	-84.18	14.81		-10.06	-9.31
1.49E+07	-81.61	-81.49	-85.75	-81.25	14.88			
1.50E+07	-74.19	-80.94	-73.78	-67.84	14.95	-6.75		6.35
1.50E+07	-80.82	-83.61	-78.75	-84.06	15.02			
1.51E+07	-70.08	-72.47	-65.83	-60.15	15.09			9.94
1.52E+07	-70.41	-75.09	-82.11	-71.98	15.16		-11.70	

2-30 MHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

						Comparison		
Ambient Scan		575' length of power	575' length of power			20-Dec	28-Dec	4-Jan
No power line		cord on the ground	cord on the ground			minus the Ambient scan		
on the ground		connecting shed	receivers connected					
9-Dec-10		20-Dec-10	28-Dec-10	4-Jan-11	Freq MHz			
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	dBm	dBm	dBm
1.52E+07	-78.99	-77.37	-85.72	-81.42	15.23	6.00	6.00	6.00
1.53E+07	-71.30	-74.98	-73.51	-74.21	15.30		-6.74	
1.54E+07	-70.58	-73.95	-77.91	-72.07	15.37		-7.33	
1.54E+07	-81.11	-84.64	-83.59	-79.31	15.44			
1.55E+07	-77.00	-81.57	-85.84	-71.54	15.51		-8.84	
1.56E+07	-73.12	-75.46	-77.75	-74.62	15.58			
1.57E+07	-83.44	-84.85	-85.89	-82.22	15.65			
1.57E+07	-81.72	-83.94	-81.37	-74.29	15.72			7.43
1.58E+07	-68.53	-68.79	-71.08	-64.26	15.79			
1.59E+07	-79.51	-80.84	-86.01	-85.35	15.86		-6.50	
1.59E+07	-79.77	-79.93	-84.21	-76.91	15.93			
1.60E+07	-84.44	-76.65	-83.38	-84.14	16.00	7.78		
1.61E+07	-87.98	-83.26	-83.30	-88.18	16.07			
1.61E+07	-84.57	-82.03	-80.00	-81.02	16.14			
1.62E+07	-84.36	-77.40	-85.67	-88.31	16.21	6.96		
1.63E+07	-85.74	-80.78	-84.39	-91.93	16.28			-6.19
1.64E+07	-86.75	-81.23	-86.09	-85.53	16.35			
1.64E+07	-90.00	-80.63	-84.53	-91.19	16.42	9.37		
1.65E+07	-91.79	-82.84	-80.24	-92.58	16.49	8.95	11.55	
1.66E+07	-87.85	-80.24	-85.43	-88.32	16.56	7.61		
1.66E+07	-87.95	-80.58	-87.24	-93.73	16.63	7.38		
1.67E+07	-89.76	-83.11	-88.16	-92.37	16.70	6.65		
1.68E+07	-91.24	-83.20	-86.06	-90.45	16.77	8.03		
1.68E+07	-94.83	-84.41	-82.87	-92.33	16.84	10.42	11.96	
1.69E+07	-95.52	-81.91	-85.30	-90.71	16.91	13.61	10.22	
1.70E+07	-92.38	-80.62	-89.99	-88.11	16.98	11.76		
1.71E+07	-92.73	-84.94	-89.97	-91.54	17.05	7.79		

2-30 MHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power		575' length of power		Comparison		
No power line		cord on the ground		cord on the ground		20-Dec	28-Dec	4-Jan
on the ground		connecting shed		receivers connected		minus the Ambient scan		
9-Dec-10		20-Dec-10		28-Dec-10	4-Jan-11	Freq MHz		
						dBm	dBm	dBm
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	6.00	6.00	6.00
1.71E+07	-98.35	-84.37	-87.24	-76.89	17.12	13.98	11.11	21.46
1.72E+07	-96.29	-84.16	-84.37	-88.38	17.19	12.12	11.92	7.91
1.73E+07	-95.70	-79.64	-82.79	-89.00	17.26	16.06	12.91	6.69
1.73E+07	-93.54	-79.53	-88.82	-90.25	17.33	14.02		
1.74E+07	-92.52	-82.99	-88.47	-89.46	17.40	9.52		
1.75E+07	-81.43	-82.71	-88.76	-90.20	17.47		-7.34	-8.77
1.75E+07	-88.01	-78.64	-82.49	-85.67	17.54	9.36		
1.76E+07	-95.58	-79.75	-82.04	-88.25	17.61	15.83	13.54	7.33
1.77E+07	-82.82	-77.14	-81.40	-86.01	17.68			
1.78E+07	-80.83	-74.42	-72.76	-83.56	17.75	6.41	8.07	
1.78E+07	-95.00	-58.57	-83.82	-66.24	17.82	36.43	11.19	28.76
1.79E+07	-96.49	-82.93	-85.47	-86.69	17.89	13.56	11.01	9.80
1.80E+07	-96.01	-80.04	-81.58	-87.75	17.96	15.97	14.43	8.27
1.80E+07	-92.93	-76.66	-86.60	-87.30	18.03	16.28	6.34	
1.81E+07	-93.21	-80.94	-88.28	-85.74	18.10	12.26		7.47
1.82E+07	-96.16	-83.49	-88.91	-87.60	18.17	12.68	7.26	8.56
1.82E+07	-95.82	-83.85	-87.39	-86.88	18.24	11.97	8.43	8.94
1.83E+07	-95.49	-82.99	-83.59	-88.51	18.31	12.50	11.90	6.98
1.84E+07	-93.64	-79.41	-85.38	-88.19	18.38	14.23	8.26	
1.85E+07	-92.27	-84.18	-89.14	-89.24	18.45	8.10		
1.85E+07	-95.40	-85.85	-89.17	-90.22	18.52	9.54	6.22	
1.86E+07	-95.70	-87.68	-88.90	-88.32	18.59	8.01	6.79	7.38
1.87E+07	-96.70	-87.06	-86.66	-90.33	18.66	9.64	10.04	6.37
1.87E+07	-95.33	-82.68	-84.94	-91.20	18.73	12.65	10.38	
1.88E+07	-92.62	-89.94	-91.03	-91.06	18.80			
1.89E+07	-96.67	-92.21	-92.47	-91.07	18.87			
1.89E+07	-89.20	-91.40	-91.54	-91.16	18.94			

2-30 MHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power		575' length of power		Comparison		
No power line		cord on the ground		cord on the ground		20-Dec	28-Dec	4-Jan
on the ground		connecting shed		receivers connected		minus the Ambient scan		
9-Dec-10		20-Dec-10		28-Dec-10	4-Jan-11	Freq MHz		
						dBm	dBm	dBm
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	6.00	6.00	6.00
1.90E+07	-98.27	-88.94	-88.96	-90.26	19.01	9.33	9.32	8.01
1.91E+07	-96.99	-85.26	-85.35	-93.45	19.08	11.73	11.65	
1.92E+07	-93.25	-89.91	-90.85	-94.48	19.15			
1.92E+07	-96.32	-90.59	-89.87	-94.11	19.22		6.46	
1.93E+07	-96.22	-89.76	-90.19	-92.39	19.29	6.47	6.03	
1.94E+07	-97.33	-91.07	-90.48	-94.62	19.36	6.27	6.85	
1.94E+07	-95.14	-87.52	-85.82	-94.63	19.43	7.61	9.32	
1.95E+07	-92.42	-91.71	-88.78	-92.31	19.50			
1.96E+07	-94.70	-94.87	-90.84	-92.63	19.57			
1.96E+07	-96.78	-94.07	-91.50	-93.63	19.64			
1.97E+07	-96.65	-93.44	-90.65	-92.74	19.71			
1.98E+07	-95.09	-89.93	-87.95	-94.02	19.78		7.14	
1.99E+07	-92.83	-92.85	-89.32	-92.90	19.85			
1.99E+07	-94.32	-95.14	-91.32	-93.55	19.92			
2.00E+07	-97.02	-93.47	-90.85	-93.72	19.99		6.18	
2.01E+07	-98.12	-94.81	-92.58	-95.27	20.06			
2.01E+07	-98.16	-92.75	-91.35	-95.35	20.13		6.81	
2.02E+07	-95.14	-95.49	-89.90	-95.36	20.20			
2.03E+07	-96.75	-96.85	-93.83	-95.38	20.27			
2.03E+07	-99.82	-98.08	-91.45	-96.39	20.34		8.36	
2.04E+07	-100.71	-97.37	-94.71	-95.10	20.41		6.00	
2.05E+07	-101.07	-95.86	-93.56	-96.26	20.48		7.51	
2.06E+07	-99.66	-97.39	-91.13	-96.35	20.55		8.53	
2.06E+07	-98.74	-97.32	-95.46	-94.93	20.62			
2.07E+07	-102.24	-98.38	-95.30	-96.72	20.69		6.93	
2.08E+07	-99.78	-94.83	-92.01	-92.62	20.76		7.76	7.16
2.08E+07	-102.21	-97.69	-94.42	-94.03	20.83		7.78	8.18

2-30 MHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

						Comparison		
Ambient Scan		575' length of power	575' length of power			20-Dec	28-Dec	4-Jan
No power line		cord on the ground	cord on the ground			minus the Ambient scan		
on the ground		connecting shed	receivers connected					
9-Dec-10		20-Dec-10	28-Dec-10	4-Jan-11	Freq MHz			
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	dBm	dBm	dBm
2.09E+07	-100.51	-98.36	-90.60	-96.26	20.90	6.00	6.00	
2.10E+07	-97.99	-100.21	-94.39	-95.33	20.97		9.91	
2.10E+07	-100.40	-97.86	-95.43	-91.90	21.04			8.51
2.11E+07	-100.76	-97.54	-94.20	-96.13	21.11		6.57	
2.12E+07	-100.82	-95.57	-93.03	-96.13	21.18		7.79	
2.13E+07	-98.60	-95.70	-87.76	-95.33	21.25		10.83	
2.13E+07	-97.23	-99.21	-90.28	-95.46	21.32		6.95	
2.14E+07	-98.74	-98.83	-92.45	-96.53	21.39		6.29	
2.15E+07	-100.03	-97.35	-92.67	-96.79	21.46		7.36	
2.15E+07	-101.03	-96.06	-92.09	-95.88	21.53		8.94	
2.16E+07	-73.93	-95.63	-90.82	-97.31	21.60	-21.70	-16.89	-23.38
2.17E+07	-98.17	-98.79	-89.47	-97.33	21.67		8.70	
2.17E+07	-99.74	-98.80	-93.96	-96.34	21.74			
2.18E+07	-101.44	-98.52	-94.39	-97.77	21.81		7.05	
2.19E+07	-101.27	-96.39	-94.50	-97.80	21.88		6.77	
2.20E+07	-102.80	-96.45	-93.52	-97.54	21.95	6.36	9.28	
2.20E+07	-99.20	-98.26	-90.27	-98.35	22.02		8.93	
2.21E+07	-99.42	-98.93	-94.62	-98.09	22.09			
2.22E+07	-103.06	-99.28	-92.76	-98.38	22.16		10.29	
2.22E+07	-102.98	-97.40	-94.86	-98.79	22.23		8.12	
2.23E+07	-103.78	-97.28	-94.07	-98.84	22.30	6.50	9.71	
2.24E+07	-101.85	-99.52	-91.03	-99.14	22.37		10.82	
2.24E+07	-99.77	-100.36	-93.64	-98.92	22.44		6.13	
2.25E+07	-103.72	-99.23	-96.23	-97.54	22.51		7.49	6.18
2.26E+07	-103.46	-96.91	-95.66	-99.85	22.58	6.55	7.81	
2.27E+07	-102.91	-95.58	-95.07	-99.94	22.65	7.33	7.85	
2.27E+07	-101.97	-99.50	-92.36	-99.26	22.72		9.61	

2-30 MHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

						Comparison		
Ambient Scan		575' length of power	575' length of power			20-Dec	28-Dec	4-Jan
No power line		cord on the ground	cord on the ground			minus the Ambient scan		
on the ground		connecting shed	receivers connected					
9-Dec-10		20-Dec-10	28-Dec-10	4-Jan-11	Freq MHz			
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	dBm	dBm	dBm
2.28E+07	-98.16	-99.68	-92.37	-100.94	22.79			
2.29E+07	-101.77	-98.39	-96.07	-99.79	22.86			
2.29E+07	-100.97	-96.86	-94.75	-100.80	22.93		6.22	
2.30E+07	-101.99	-94.12	-93.92	-101.03	23.00	7.88	8.08	
2.31E+07	-100.11	-96.91	-89.82	-100.67	23.07		10.30	
2.31E+07	-98.56	-97.49	-90.49	-101.08	23.14		8.07	
2.32E+07	-100.12	-94.68	-93.47	-100.00	23.21		6.65	
2.33E+07	-99.72	-94.30	-94.16	-99.29	23.28			
2.34E+07	-100.40	-93.15	-94.35	-99.39	23.35	7.25	6.05	
2.34E+07	-100.53	-96.70	-93.29	-98.47	23.42		7.24	
2.35E+07	-98.15	-97.58	-90.53	-100.67	23.49		7.62	
2.36E+07	-101.49	-97.98	-94.09	-98.77	23.56		7.40	
2.36E+07	-102.42	-97.22	-95.75	-98.02	23.63		6.66	
2.37E+07	-102.09	-95.25	-96.26	-98.97	23.70	6.83		
2.38E+07	-102.53	-97.30	-94.24	-96.32	23.77		8.29	6.20
2.38E+07	-100.14	-98.75	-92.07	-98.28	23.84		8.07	
2.39E+07	-100.43	-99.47	-95.15	-99.79	23.91			
2.40E+07	-102.63	-98.11	-96.75	-100.39	23.98			
2.41E+07	-102.34	-95.22	-96.63	-99.07	24.05	7.12		
2.41E+07	-102.82	-97.24	-96.23	-100.37	24.12		6.59	
2.42E+07	-101.87	-101.04	-94.25	-100.36	24.19		7.62	
2.43E+07	-99.55	-100.52	-93.68	-98.96	24.26			
2.43E+07	-104.87	-100.27	-98.56	-100.28	24.33		6.31	
2.44E+07	-104.59	-96.76	-99.69	-100.49	24.40	7.83		
2.45E+07	-104.59	-100.01	-98.37	-100.29	24.47		6.23	
2.45E+07	-102.65	-101.91	-95.52	-100.86	24.54		7.13	
2.46E+07	-101.98	-101.72	-93.37	-100.95	24.61		8.61	

2-30 MHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power		575' length of power		Comparison			
No power line		cord on the ground		cord on the ground		20-Dec	28-Dec	4-Jan	
on the ground		connecting shed		receivers connected		minus the Ambient scan			
9-Dec-10		20-Dec-10		28-Dec-10		4-Jan-11	Freq MHz		
							dBm	dBm	dBm
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >		6.00	6.00	6.00
2.47E+07	-103.95	-96.77	-97.49	-100.53	24.68		7.18	6.46	
2.48E+07	-103.71	-96.76	-97.08	-99.13	24.75		6.95	6.63	
2.48E+07	-101.93	-98.33	-96.50	-101.12	24.82				
2.49E+07	-101.74	-99.43	-94.43	-99.81	24.89			7.31	
2.50E+07	-100.18	-98.94	-92.64	-97.84	24.96			7.54	
2.50E+07	-103.34	-98.61	-95.60	-99.32	25.03			7.74	
2.51E+07	-104.08	-96.27	-95.28	-99.09	25.10		7.81	8.80	
2.52E+07	-102.10	-97.02	-95.07	-96.56	25.17			7.04	
2.52E+07	-103.09	-97.31	-95.69	-99.03	25.24			7.40	
2.53E+07	-103.30	-99.94	-93.20	-100.03	25.31			10.10	
2.54E+07	-103.96	-99.20	-94.99	-98.87	25.38			8.97	
2.55E+07	-106.15	-96.78	-97.53	-100.16	25.45		9.38	8.63	
2.55E+07	-106.14	-96.39	-96.37	-98.60	25.52		9.75	9.76	7.54
2.56E+07	-106.92	-101.06	-96.89	-100.78	25.59			10.03	6.14
2.57E+07	-105.35	-101.21	-94.56	-100.51	25.66			10.79	
2.57E+07	-106.63	-99.80	-94.68	-100.79	25.73		6.83	11.96	
2.58E+07	-106.66	-97.36	-99.24	-100.74	25.80		9.30	7.42	
2.59E+07	-107.70	-99.02	-99.16	-100.53	25.87		8.68	8.54	7.17
2.59E+07	-106.44	-101.02	-98.40	-102.35	25.94			8.04	
2.60E+07	-106.47	-102.26	-96.32	-101.28	26.01			10.15	
2.61E+07	-97.27	-103.42	-92.75	-99.86	26.08		-6.15		
2.62E+07	-106.90	-97.29	-99.24	-102.36	26.15		9.60	7.66	
2.62E+07	-107.79	-100.05	-99.24	-102.16	26.22		7.74	8.55	
2.63E+07	-105.89	-101.90	-98.75	-101.86	26.29			7.15	
2.64E+07	-105.41	-101.54	-96.20	-102.99	26.36			9.21	
2.64E+07	-105.53	-101.64	-90.99	-101.60	26.43			14.53	
2.65E+07	-105.24	-98.46	-95.99	-101.85	26.50		6.77	9.24	

2-30 MHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

						Comparison		
Ambient Scan		575' length of power	575' length of power			20-Dec	28-Dec	4-Jan
No power line		cord on the ground	cord on the ground					
on the ground		connecting shed	receivers connected			minus the Ambient scan		
9-Dec-10		20-Dec-10	28-Dec-10	4-Jan-11	Freq MHz	dBm	dBm	dBm
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	6.00	6.00	6.00
2.66E+07	-105.24	-97.73	-96.68	-103.15	26.57	7.50	8.55	
2.66E+07	-105.25	-100.55	-94.81	-103.45	26.64		10.44	
2.67E+07	-104.05	-98.83	-92.60	-102.75	26.71		11.45	
2.68E+07	-102.37	-98.87	-88.58	-100.09	26.78		13.80	
2.69E+07	-104.33	-96.59	-90.74	-103.31	26.85	7.74	13.60	
2.69E+07	-104.59	-96.72	-92.43	-104.14	26.92	7.86	12.16	
2.70E+07	-100.44	-68.63	-86.99	-99.68	26.99	31.81	13.45	
2.71E+07	-103.55	-99.02	-89.89	-101.73	27.06		13.66	
2.71E+07	-100.75	-92.75	-87.53	-101.83	27.13	8.00	13.22	
2.72E+07	-103.54	-96.46	-87.40	-103.48	27.20	7.08	16.14	
2.73E+07	-100.23	-94.20	-90.61	-98.50	27.27	6.04	9.62	
2.73E+07	-100.08	-99.26	-92.03	-99.70	27.34		8.05	
2.74E+07	-101.96	-100.45	-93.43	-101.71	27.41		8.54	
2.75E+07	-101.62	-100.25	-90.22	-98.17	27.48		11.40	
2.76E+07	-100.38	-98.38	-87.51	-100.07	27.55		12.86	
2.76E+07	-102.36	-95.93	-95.25	-99.90	27.62	6.43	7.11	
2.77E+07	-101.10	-101.21	-94.77	-96.33	27.69		6.33	
2.78E+07	-99.45	-102.77	-92.74	-99.46	27.76		6.70	
2.78E+07	-101.10	-102.52	-92.99	-100.31	27.83		8.11	
2.79E+07	-99.30	-98.84	-87.83	-97.15	27.90		11.47	
2.80E+07	-100.74	-95.93	-91.39	-100.75	27.97		9.35	
2.80E+07	-102.45	-101.19	-95.74	-100.14	28.04		6.71	
2.81E+07	-100.75	-101.17	-94.56	-97.44	28.11		6.19	
2.82E+07	-100.52	-99.78	-92.86	-101.40	28.18		7.67	
2.83E+07	-100.55	-97.49	-88.75	-100.14	28.25		11.80	
2.83E+07	-99.74	-95.44	-90.31	-98.04	28.32		9.42	
2.84E+07	-101.41	-98.04	-89.63	-100.95	28.39		11.78	

2-30 MHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

						Comparison		
Ambient Scan		575' length of power	575' length of power			20-Dec	28-Dec	4-Jan
No power line		cord on the ground	cord on the ground			minus the Ambient scan		
on the ground		connecting shed	receivers connected					
9-Dec-10		20-Dec-10	28-Dec-10	4-Jan-11	Freq MHz	dBm	dBm	dBm
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	6.00	6.00	6.00
2.85E+07	-102.26	-99.42	-94.30	-100.31	28.46		7.96	
2.85E+07	-99.25	-99.09	-92.45	-98.30	28.53		6.80	
2.86E+07	-95.58	-95.87	-89.17	-97.00	28.60		6.41	
2.87E+07	-100.93	-94.64	-88.10	-98.97	28.67	6.29	12.83	
2.87E+07	-100.62	-97.84	-92.88	-99.11	28.74		7.74	
2.88E+07	-101.19	-98.83	-93.74	-101.74	28.81		7.45	
2.89E+07	-99.02	-98.26	-93.43	-98.44	28.88			
2.90E+07	-93.99	-93.81	-89.66	-95.32	28.95			
2.90E+07	-101.36	-94.43	-88.17	-100.95	29.02	6.94	13.20	
2.91E+07	-103.39	-98.42	-93.77	-97.73	29.09		9.63	
2.92E+07	-101.88	-98.11	-94.88	-99.20	29.16		7.00	
2.92E+07	-96.21	-97.04	-95.44	-99.08	29.23			
2.93E+07	-98.95	-96.57	-94.68	-97.75	29.30			
2.94E+07	-101.14	-93.04	-88.22	-98.53	29.37	8.10	12.92	
2.94E+07	-103.52	-97.53	-94.08	-100.55	29.44		9.44	
2.95E+07	-97.13	-94.21	-96.33	-95.05	29.51			
2.96E+07	-99.65	-96.70	-89.89	-99.57	29.58		9.77	
2.97E+07	-100.71	-96.60	-95.54	-100.41	29.65			
2.97E+07	-102.18	-93.08	-89.83	-98.65	29.72	9.10	12.35	
2.98E+07	-102.27	-96.54	-91.73	-100.38	29.79		10.54	
2.99E+07	-99.55	-94.84	-96.85	-98.73	29.86			
2.99E+07	-101.07	-96.93	-97.50	-99.27	29.93			
3.00E+07	-101.11	-96.18	-96.36	-102.16	30.00			
						579.74	1047.19	-337.23
						Sum		1289.69

Attenuation (dB)
 0.00E+00

 Center Frequency (Hz)
 1.60E+07

 Date/Time
 12/20/2010 11:53

 Instrument Model
 E4407B

 Instrument Serial Number
 MY45116875

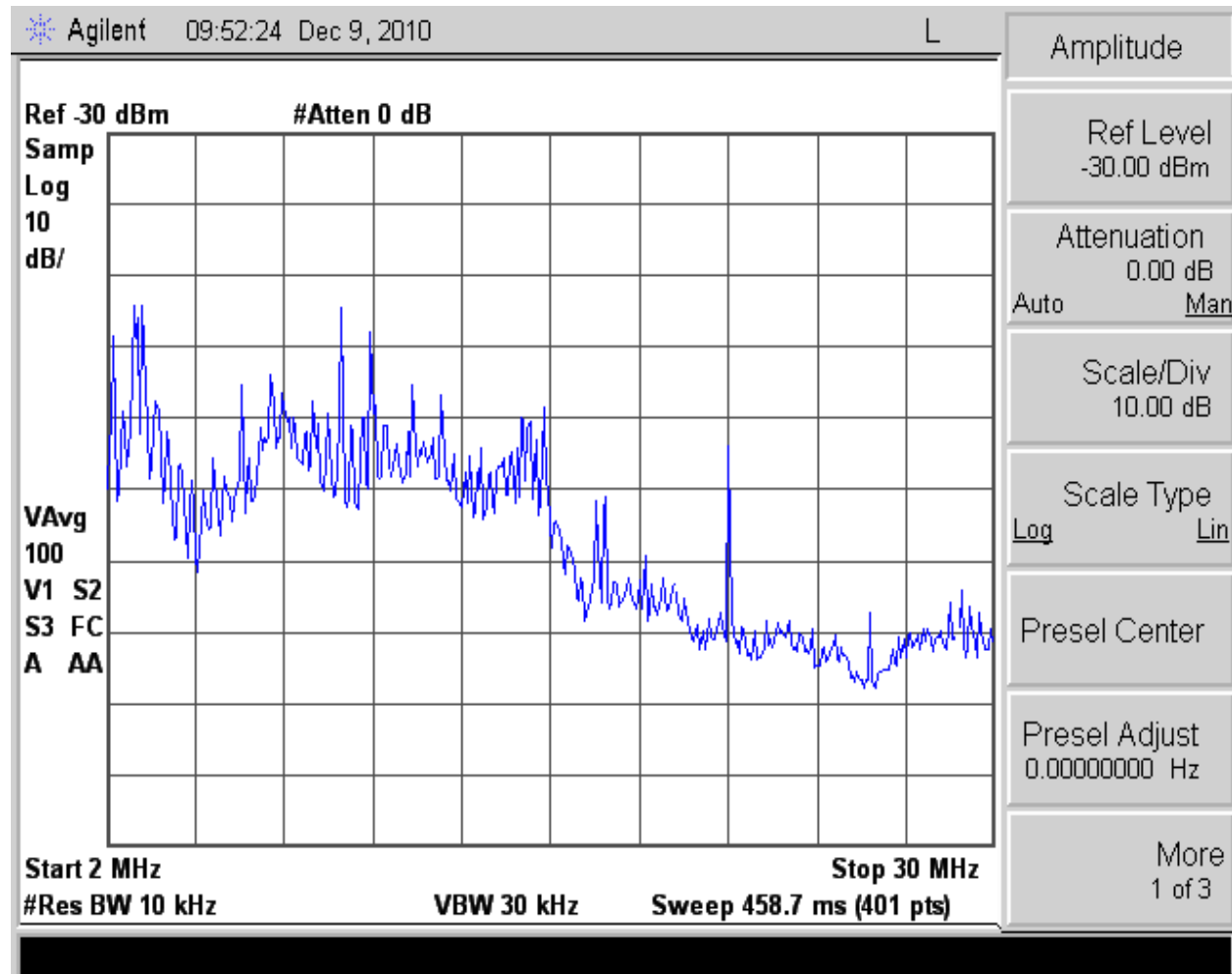
 Reference Level (dBm)
 -3.00E+01

 Resolution BW (Hz)
 1.00E+04

 Scale Type
 LOG

 Span Frequency (Hz)
 2.80E+07

 Start Frequency (Hz)
 2.00E+06

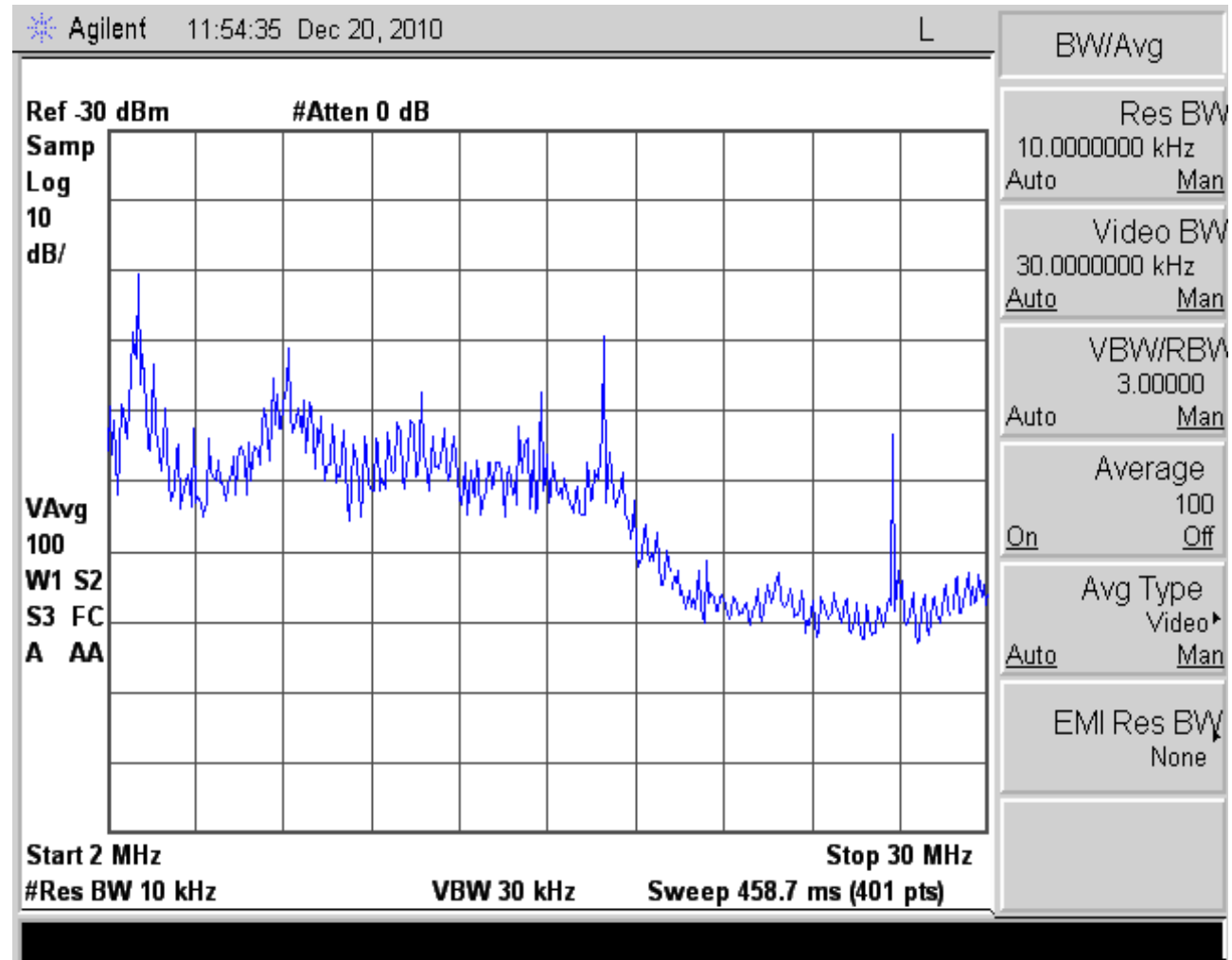


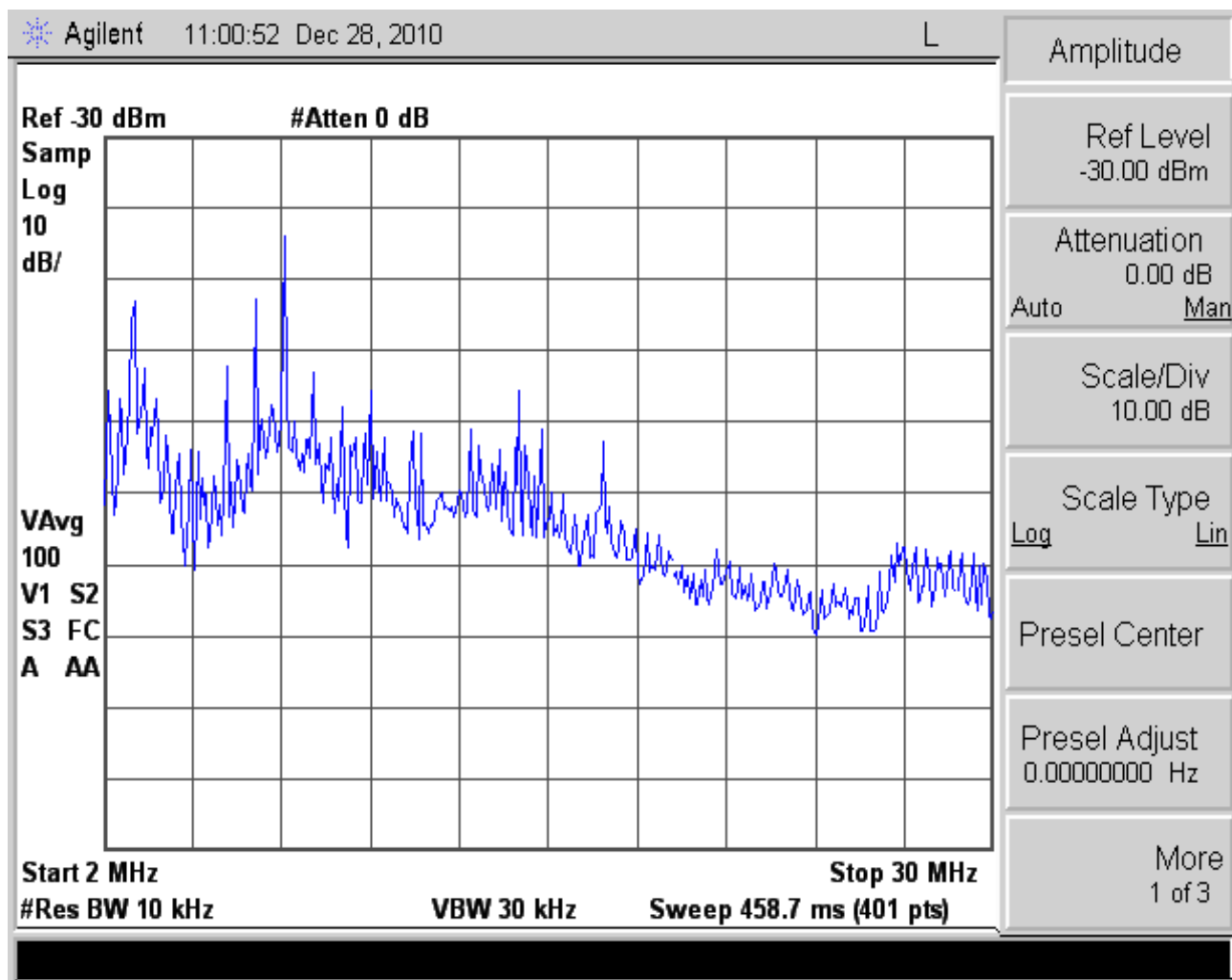
Stop Frequency (Hz)
3.00E+07

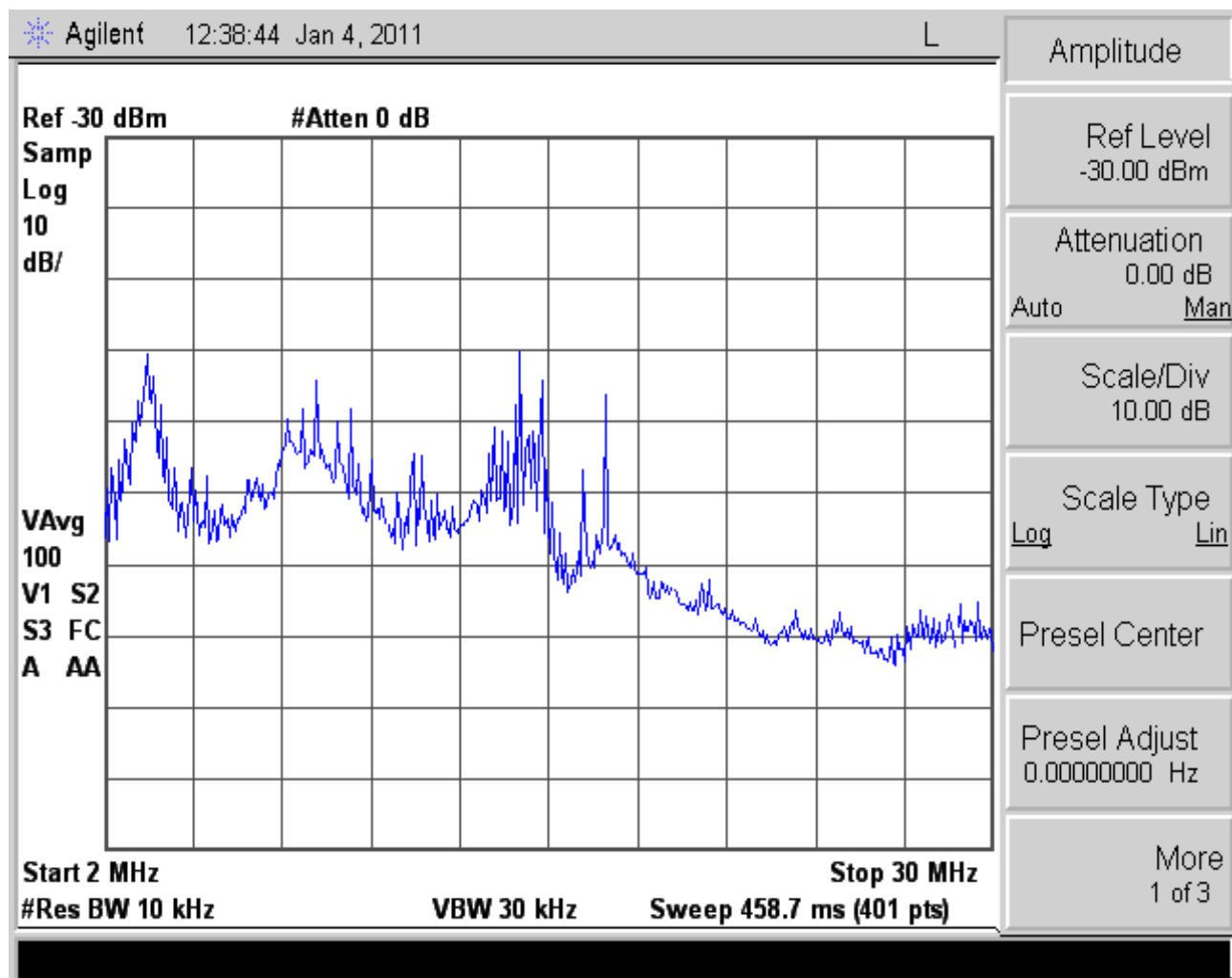
Sweep Number Of Points
401

Sweep Time (seconds)
4.59E-01

Video BW (Hz)
3.00E+04







30-200 MHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

					Comparison	
					20-Dec	28-Dec
					minus the Ambient scan	
					dBm	dBm
					6.00	6.00
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Freq KHz		
				Enter Limit >		
3.00E+07	-96.98	-91.39	-92.73	30.00		
3.04E+07	-100.33	-94.95	-90.46	30.43	9.87	
3.09E+07	-99.21	-96.65	-96.41	30.85		
3.13E+07	-103.55	-98.60	-98.79	31.28		
3.17E+07	-96.88	-94.49	-97.02	31.70		
3.21E+07	-102.36	-102.57	-94.31	32.13	8.05	
3.26E+07	-102.42	-100.85	-98.68	32.55		
3.30E+07	-106.38	-102.05	-101.26	32.98		
3.34E+07	-105.54	-101.52	-103.73	33.40		
3.38E+07	-107.44	-105.83	-102.71	33.83		
3.43E+07	-102.18	-98.97	-101.68	34.25		
3.47E+07	-109.04	-105.83	-108.30	34.68		
3.51E+07	-110.18	-105.74	-106.43	35.10		
3.55E+07	-111.08	-107.45	-103.19	35.53	7.90	
3.60E+07	-108.34	-107.59	-106.10	35.95		
3.64E+07	-109.19	-107.59	-107.48	36.38		
3.68E+07	-109.48	-109.39	-108.72	36.80		
3.72E+07	-110.62	-108.46	-110.27	37.23		
3.77E+07	-110.31	-109.58	-109.35	37.65		
3.81E+07	-112.96	-110.01	-110.99	38.08		
3.85E+07	-110.90	-108.83	-111.32	38.50		
3.89E+07	-110.61	-110.11	-112.94	38.93		
3.94E+07	-110.64	-109.49	-111.42	39.35		
3.98E+07	-107.27	-107.84	-110.05	39.78		
4.02E+07	-109.77	-110.47	-113.25	40.20		
4.06E+07	-113.10	-110.36	-111.21	40.63		
4.11E+07	-113.19	-111.01	-111.96	41.05		
4.15E+07	-112.07	-111.86	-109.86	41.48		

30-200 MHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Frequency (Hz)	Ambient Scan	575' length of power	575' length of power	Freq KHz	Comparison	
	No power line	cord on the ground	cord on the ground		20-Dec	28-Dec
	on the ground	connecting shed	receivers connected		minus the Ambient scan	
9-Dec-10	20-Dec-10	28-Dec-10		Enter Limit >		
Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)			6.00	6.00
4.19E+07	-112.53	-111.16	-110.30	41.90		
4.23E+07	-111.75	-111.26	-112.74	42.33		
4.28E+07	-113.31	-110.31	-110.93	42.75		
4.32E+07	-112.88	-110.65	-113.44	43.18		
4.36E+07	-112.29	-110.88	-111.55	43.60		
4.40E+07	-112.88	-111.00	-112.77	44.03		
4.45E+07	-112.84	-109.99	-111.66	44.45		
4.49E+07	-116.02	-110.14	-111.86	44.88		
4.53E+07	-114.40	-108.49	-110.40	45.30		
4.57E+07	-112.89	-107.07	-112.29	45.73		
4.62E+07	-113.18	-106.99	-111.73	46.15	6.19	
4.66E+07	-110.92	-107.66	-111.24	46.58		
4.70E+07	-114.12	-108.13	-111.84	47.00		
4.74E+07	-112.66	-108.82	-111.25	47.43		
4.79E+07	-110.37	-110.02	-109.39	47.85		
4.83E+07	-112.21	-111.21	-110.69	48.28		
4.87E+07	-110.47	-110.70	-110.24	48.70		
4.91E+07	-111.85	-111.00	-108.60	49.13		
4.96E+07	-110.01	-109.81	-110.20	49.55		
5.00E+07	-111.55	-110.24	-108.44	49.98		
5.04E+07	-112.76	-109.60	-107.92	50.40		
5.08E+07	-111.79	-109.54	-106.18	50.83		
5.13E+07	-113.70	-109.85	-106.79	51.25		6.91
5.17E+07	-113.46	-109.61	-106.54	51.68		6.91
5.21E+07	-112.47	-109.15	-106.04	52.10		6.43
5.25E+07	-112.41	-110.13	-104.87	52.53		7.54
5.30E+07	-112.00	-109.79	-106.21	52.95		
5.34E+07	-111.83	-108.97	-107.05	53.38		
5.38E+07	-114.28	-109.65	-108.27	53.80		6.00

30-200 MHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Frequency (Hz)	Ambient Scan	575' length of power	575' length of power	Freq KHz	Comparison	
	No power line	cord on the ground	cord on the ground		20-Dec	28-Dec
	on the ground	connecting shed	receivers connected		minus the Ambient scan	
9-Dec-10	20-Dec-10	28-Dec-10		Enter Limit >	dBm	dBm
Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)			6.00	6.00
5.42E+07	-111.87	-110.01	-107.72	54.23		
5.47E+07	-111.65	-111.20	-106.99	54.65		
5.51E+07	-111.89	-109.27	-107.82	55.08		
5.55E+07	-110.78	-109.47	-109.35	55.50		
5.59E+07	-112.06	-109.92	-108.18	55.93		
5.64E+07	-112.51	-109.81	-107.28	56.35		
5.68E+07	-109.76	-109.08	-109.09	56.78		
5.72E+07	-112.29	-109.78	-108.94	57.20		
5.76E+07	-110.56	-109.83	-107.96	57.63		
5.81E+07	-112.43	-110.15	-110.13	58.05		
5.85E+07	-113.66	-109.04	-108.64	58.48		
5.89E+07	-113.88	-109.67	-109.34	58.90		
5.93E+07	-110.58	-110.61	-110.40	59.33		
5.98E+07	-111.86	-109.52	-109.70	59.75		
6.02E+07	-111.66	-109.38	-109.20	60.18		
6.06E+07	-111.62	-110.17	-109.32	60.60		
6.10E+07	-112.34	-110.13	-111.11	61.03		
6.15E+07	-112.33	-109.97	-111.19	61.45		
6.19E+07	-112.04	-109.93	-110.48	61.88		
6.23E+07	-111.22	-109.75	-112.46	62.30		
6.27E+07	-111.95	-110.06	-110.65	62.73		
6.32E+07	-112.13	-110.53	-110.60	63.15		
6.36E+07	-112.81	-109.51	-111.78	63.58		
6.40E+07	-109.96	-110.08	-111.39	64.00		
6.44E+07	-111.76	-108.37	-110.10	64.43		
6.49E+07	-112.01	-109.49	-110.67	64.85		
6.53E+07	-112.54	-109.15	-111.51	65.28		
6.57E+07	-112.70	-109.51	-110.15	65.70		
6.61E+07	-110.20	-109.25	-111.08	66.13		

30-200 MHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

					Comparison	
					20-Dec minus the Ambient scan	28-Dec
					dBm	dBm
					6.00	6.00
	Ambient Scan No power line on the ground 9-Dec-10	575' length of power cord on the ground connecting shed 20-Dec-10	575' length of power cord on the ground receivers connected 28-Dec-10	Freq KHz Enter Limit >		
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)			
6.66E+07	-110.94	-109.63	-109.72	66.55		
6.70E+07	-109.45	-109.27	-109.95	66.98		
6.74E+07	-110.83	-109.64	-110.12	67.40		
6.78E+07	-112.17	-110.14	-112.23	67.83		
6.83E+07	-112.24	-108.45	-110.06	68.25		
6.87E+07	-111.05	-108.87	-109.96	68.68		
6.91E+07	-111.53	-108.94	-110.92	69.10		
6.95E+07	-112.10	-109.28	-109.93	69.53		
7.00E+07	-112.22	-109.81	-111.13	69.95		
7.04E+07	-112.30	-110.16	-109.55	70.38		
7.08E+07	-114.74	-108.55	-109.69	70.80	6.19	
7.12E+07	-112.21	-109.94	-110.09	71.23		
7.17E+07	-111.67	-110.15	-110.45	71.65		
7.21E+07	-111.54	-108.87	-109.76	72.08		
7.25E+07	-110.66	-110.11	-110.62	72.50		
7.29E+07	-112.74	-109.67	-110.10	72.93		
7.34E+07	-111.03	-110.04	-110.44	73.35		
7.38E+07	-112.90	-110.18	-110.89	73.78		
7.42E+07	-111.60	-109.97	-109.15	74.20		
7.46E+07	-110.78	-110.17	-109.54	74.63		
7.51E+07	-111.70	-109.70	-109.20	75.05		
7.55E+07	-111.60	-110.45	-109.93	75.48		
7.59E+07	-112.77	-110.18	-110.88	75.90		
7.63E+07	-112.54	-109.60	-110.24	76.33		
7.68E+07	-111.65	-109.87	-111.60	76.75		
7.72E+07	-112.20	-109.83	-109.58	77.18		
7.76E+07	-113.04	-110.58	-109.26	77.60		
7.80E+07	-111.59	-109.33	-108.85	78.03		
7.85E+07	-112.78	-109.47	-108.77	78.45		

30-200 MHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Frequency (Hz)	Ambient Scan	575' length of power	575' length of power	Freq KHz	Comparison	
	No power line	cord on the ground	cord on the ground		20-Dec	28-Dec
	on the ground	connecting shed	receivers connected		minus the Ambient	scan
	9-Dec-10	20-Dec-10	28-Dec-10		dBm	dBm
	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	6.00	6.00
7.89E+07	-111.52	-109.92	-111.20	78.88		
7.93E+07	-110.83	-110.54	-109.25	79.30		
7.97E+07	-110.64	-109.48	-109.74	79.73		
8.02E+07	-114.23	-109.88	-109.35	80.15		
8.06E+07	-111.31	-109.81	-108.18	80.58		
8.10E+07	-113.59	-111.13	-109.25	81.00		
8.14E+07	-111.34	-109.89	-109.80	81.43		
8.19E+07	-110.29	-109.31	-107.57	81.85		
8.23E+07	-112.29	-110.17	-109.00	82.28		
8.27E+07	-112.46	-109.68	-109.74	82.70		
8.31E+07	-111.97	-111.10	-109.11	83.13		
8.36E+07	-113.82	-109.04	-108.51	83.55		
8.40E+07	-113.36	-109.85	-108.17	83.98		
8.44E+07	-111.66	-109.44	-108.40	84.40		
8.48E+07	-112.97	-111.00	-107.61	84.83		
8.53E+07	-111.71	-109.35	-108.76	85.25		
8.57E+07	-112.98	-110.55	-107.58	85.68		
8.61E+07	-111.07	-109.27	-108.02	86.10		
8.65E+07	-114.03	-111.12	-111.03	86.53		
8.70E+07	-113.93	-110.58	-109.82	86.95		
8.74E+07	-113.06	-110.01	-108.66	87.38		
8.78E+07	-109.76	-109.61	-108.42	87.80		
8.82E+07	-113.13	-109.39	-109.43	88.23		
8.87E+07	-112.02	-108.83	-106.19	88.65		
8.91E+07	-112.66	-110.45	-107.43	89.08		
8.95E+07	-108.89	-106.61	-103.97	89.50		
8.99E+07	-101.36	-101.68	-98.33	89.93		
9.04E+07	-111.44	-109.99	-106.53	90.35		
9.08E+07	-107.31	-107.61	-104.15	90.78		

30-200 MHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Frequency (Hz)	Ambient Scan	575' length of power	575' length of power	Freq KHz	Comparison	
	No power line	cord on the ground	cord on the ground		20-Dec	28-Dec
	on the ground	connecting shed	receivers connected		minus the Ambient scan	
9-Dec-10	20-Dec-10	28-Dec-10		Enter Limit >	dBm	dBm
Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)			6.00	6.00
9.12E+07	-110.42	-108.75	-102.43	91.20		7.99
9.16E+07	-111.41	-110.22	-106.64	91.63		
9.21E+07	-98.11	-96.99	-94.89	92.05		
9.25E+07	-110.84	-109.04	-107.13	92.48		
9.29E+07	-110.17	-109.27	-106.05	92.90		
9.33E+07	-110.00	-109.90	-108.70	93.33		
9.38E+07	-110.13	-108.58	-104.46	93.75		
9.42E+07	-110.25	-108.51	-107.17	94.18		
9.46E+07	-111.16	-108.17	-105.45	94.60		
9.50E+07	-111.24	-108.55	-106.95	95.03		
9.55E+07	-110.87	-108.94	-104.73	95.45		6.13
9.59E+07	-110.53	-107.42	-106.88	95.88		
9.63E+07	-109.22	-107.78	-103.93	96.30		
9.67E+07	-114.58	-109.51	-107.65	96.73		6.92
9.72E+07	-113.54	-109.67	-107.80	97.15		
9.76E+07	-102.94	-105.06	-102.05	97.58		
9.80E+07	-112.18	-109.92	-106.39	98.00		
9.84E+07	-112.25	-109.44	-108.34	98.43		
9.89E+07	-110.57	-108.69	-103.87	98.85		6.70
9.93E+07	-104.55	-101.76	-101.22	99.28		
9.97E+07	-111.70	-109.75	-106.97	99.70		
1.00E+08	-112.42	-108.82	-109.55	100.13		
1.01E+08	-107.62	-107.64	-101.77	100.55		
1.01E+08	-111.42	-110.24	-108.95	100.98		
1.01E+08	-106.91	-106.24	-101.65	101.40		
1.02E+08	-111.53	-109.28	-109.71	101.83		
1.02E+08	-109.45	-110.19	-108.57	102.25		
1.03E+08	-110.54	-110.08	-108.56	102.68		
1.03E+08	-109.74	-109.71	-107.83	103.10		

30-200 MHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Frequency (Hz)	Ambient Scan	575' length of power	575' length of power	Freq KHz	Comparison	
	No power line	cord on the ground	cord on the ground		20-Dec	28-Dec
	on the ground	connecting shed	receivers connected		minus the Ambient	scan
	9-Dec-10	20-Dec-10	28-Dec-10		dBm	dBm
	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	6.00	6.00
1.04E+08	-111.37	-109.73	-108.00	103.53		
1.04E+08	-109.97	-110.11	-106.35	103.95		
1.04E+08	-110.09	-109.89	-106.44	104.38		
1.05E+08	-110.97	-110.08	-106.14	104.80		
1.05E+08	-111.65	-109.77	-107.23	105.23		
1.06E+08	-110.13	-109.73	-105.81	105.65		
1.06E+08	-107.03	-107.64	-105.29	106.08		
1.07E+08	-105.06	-105.98	-99.09	106.50		
1.07E+08	-110.25	-108.91	-108.76	106.93		
1.07E+08	-110.38	-108.81	-105.78	107.35		
1.08E+08	-109.88	-108.78	-106.84	107.78		
1.08E+08	-108.85	-107.82	-104.85	108.20		
1.09E+08	-111.85	-108.68	-106.00	108.63		
1.09E+08	-109.38	-109.03	-105.65	109.05		
1.09E+08	-110.38	-108.82	-107.03	109.48		
1.10E+08	-107.15	-106.55	-99.53	109.90		7.62
1.10E+08	-109.70	-108.20	-105.73	110.33		
1.11E+08	-109.17	-108.47	-102.72	110.75		6.45
1.11E+08	-110.20	-110.12	-106.29	111.18		
1.12E+08	-106.22	-109.79	-101.57	111.60		
1.12E+08	-109.21	-109.55	-103.95	112.03		
1.12E+08	-103.39	-108.04	-101.47	112.45		
1.13E+08	-110.32	-108.83	-106.07	112.88		
1.13E+08	-111.01	-108.85	-105.50	113.30		
1.14E+08	-109.90	-109.03	-106.08	113.73		
1.14E+08	-107.92	-108.65	-103.32	114.15		
1.15E+08	-109.33	-109.04	-105.46	114.58		
1.15E+08	-108.28	-109.41	-105.05	115.00		
1.15E+08	-108.83	-109.00	-104.99	115.43		

30-200 MHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Frequency (Hz)	Ambient Scan	575' length of power	575' length of power	Freq KHz	Comparison	
	No power line	cord on the ground	cord on the ground		20-Dec	28-Dec
	on the ground	connecting shed	receivers connected		minus the Ambient scan	
9-Dec-10	20-Dec-10	28-Dec-10		Enter Limit >	dBm	dBm
Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)			6.00	6.00
1.16E+08	-102.51	-105.82	-95.65	115.85		6.87
1.16E+08	-107.23	-108.12	-103.69	116.28		
1.17E+08	-107.30	-109.02	-102.84	116.70		
1.17E+08	-108.36	-108.54	-103.40	117.13		
1.18E+08	-108.38	-108.89	-104.56	117.55		
1.18E+08	-111.49	-109.46	-106.60	117.98		
1.18E+08	-107.96	-107.89	-101.81	118.40		6.15
1.19E+08	-110.18	-109.06	-105.05	118.83		
1.19E+08	-108.50	-108.28	-103.64	119.25		
1.20E+08	-107.54	-108.09	-103.86	119.68		
1.20E+08	-108.92	-108.49	-101.75	120.10		7.17
1.21E+08	-109.14	-108.07	-105.29	120.53		
1.21E+08	-108.56	-108.60	-103.65	120.95		
1.21E+08	-110.12	-109.18	-105.75	121.38		
1.22E+08	-109.85	-109.22	-106.02	121.80		
1.22E+08	-108.59	-109.38	-105.67	122.23		
1.23E+08	-110.05	-109.18	-106.90	122.65		
1.23E+08	-108.30	-110.13	-106.04	123.08		
1.24E+08	-109.21	-107.67	-106.94	123.50		
1.24E+08	-111.08	-109.04	-108.84	123.93		
1.24E+08	-110.61	-109.46	-107.37	124.35		
1.25E+08	-111.11	-108.99	-107.96	124.78		
1.25E+08	-110.16	-109.46	-107.58	125.20		
1.26E+08	-108.12	-107.94	-103.33	125.63		
1.26E+08	-110.34	-109.95	-108.59	126.05		
1.26E+08	-110.70	-109.10	-108.20	126.48		
1.27E+08	-110.39	-108.81	-108.55	126.90		
1.27E+08	-110.68	-108.60	-107.84	127.33		
1.28E+08	-110.19	-109.85	-107.69	127.75		

30-200 MHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Frequency (Hz)	Ambient Scan	575' length of power	575' length of power	Freq KHz	Comparison	
	No power line	cord on the ground	cord on the ground		20-Dec	28-Dec
	on the ground	connecting shed	receivers connected		minus the Ambient scan	
9-Dec-10	20-Dec-10	28-Dec-10		Enter Limit >	dBm	dBm
Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)			6.00	6.00
1.28E+08	-109.22	-109.23	-107.82	128.18		
1.29E+08	-111.50	-109.50	-107.31	128.60		
1.29E+08	-110.17	-108.91	-107.36	129.03		
1.29E+08	-109.68	-108.97	-107.64	129.45		
1.30E+08	-108.46	-108.17	-106.23	129.88		
1.30E+08	-108.50	-108.63	-108.43	130.30		
1.31E+08	-108.74	-108.14	-106.46	130.73		
1.31E+08	-110.22	-108.87	-106.23	131.15		
1.32E+08	-107.88	-109.58	-105.59	131.58		
1.32E+08	-109.72	-109.23	-108.03	132.00		
1.32E+08	-108.90	-108.45	-108.60	132.43		
1.33E+08	-107.98	-109.12	-107.28	132.85		
1.33E+08	-108.65	-107.75	-102.20	133.28		6.45
1.34E+08	-109.04	-109.99	-107.16	133.70		
1.34E+08	-109.01	-108.18	-106.46	134.13		
1.35E+08	-108.29	-105.04	-106.41	134.55		
1.35E+08	-109.48	-107.61	-105.56	134.98		
1.35E+08	-109.82	-109.09	-107.38	135.40		
1.36E+08	-109.50	-108.18	-106.56	135.83		
1.36E+08	-110.29	-108.31	-106.54	136.25		
1.37E+08	-105.73	-106.95	-102.73	136.68		
1.37E+08	-111.75	-107.44	-107.13	137.10		
1.38E+08	-109.41	-108.44	-105.63	137.53		
1.38E+08	-111.56	-108.74	-106.59	137.95		
1.38E+08	-110.13	-108.82	-105.95	138.38		
1.39E+08	-110.25	-108.40	-109.06	138.80		
1.39E+08	-110.88	-109.14	-107.45	139.23		
1.40E+08	-109.73	-108.44	-107.44	139.65		
1.40E+08	-109.23	-107.93	-106.00	140.08		

30-200 MHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Frequency (Hz)	Ambient Scan	575' length of power	575' length of power	Freq KHz	Comparison	
	No power line	cord on the ground	cord on the ground		20-Dec	28-Dec
	on the ground	connecting shed	receivers connected		minus the Ambient scan	
9-Dec-10	20-Dec-10	28-Dec-10		Enter Limit >	dBm	dBm
Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)			6.00	6.00
1.41E+08	-109.75	-109.00	-106.62	140.50		
1.41E+08	-107.28	-107.43	-104.62	140.93		
1.41E+08	-108.75	-108.63	-107.24	141.35		
1.42E+08	-106.26	-107.00	-104.28	141.78		
1.42E+08	-110.08	-108.48	-107.88	142.20		
1.43E+08	-109.68	-107.56	-106.23	142.63		
1.43E+08	-110.22	-107.34	-107.41	143.05		
1.43E+08	-110.80	-108.33	-105.82	143.48		
1.44E+08	-110.22	-109.64	-108.98	143.90		
1.44E+08	-109.49	-108.63	-106.24	144.33		
1.45E+08	-110.48	-109.02	-107.67	144.75		
1.45E+08	-108.80	-107.83	-105.91	145.18		
1.46E+08	-109.15	-107.62	-108.90	145.60		
1.46E+08	-109.09	-108.06	-106.10	146.03		
1.46E+08	-110.35	-108.82	-107.42	146.45		
1.47E+08	-110.38	-108.88	-107.07	146.88		
1.47E+08	-109.71	-108.01	-108.89	147.30		
1.48E+08	-110.47	-108.24	-106.71	147.73		
1.48E+08	-110.40	-108.34	-108.84	148.15		
1.49E+08	-111.10	-108.40	-109.35	148.58		
1.49E+08	-112.82	-109.08	-109.86	149.00		
1.49E+08	-109.79	-108.59	-107.72	149.43		
1.50E+08	-108.96	-107.44	-109.38	149.85		
1.50E+08	-109.67	-107.85	-108.43	150.28		
1.51E+08	-109.81	-107.82	-107.50	150.70		
1.51E+08	-110.58	-108.35	-107.95	151.13		
1.52E+08	-112.46	-108.02	-108.97	151.55		
1.52E+08	-110.84	-108.34	-108.99	151.98		
1.52E+08	-109.17	-107.96	-107.81	152.40		

30-200 MHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Frequency (Hz)	Ambient Scan	575' length of power	575' length of power	Freq KHz	Comparison	
	No power line	cord on the ground	cord on the ground		20-Dec	28-Dec
	on the ground	connecting shed	receivers connected		minus the Ambient scan	
9-Dec-10	20-Dec-10	28-Dec-10		Enter Limit >	dBm	dBm
Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)			6.00	6.00
1.53E+08	-108.54	-107.52	-106.64	152.83		
1.53E+08	-111.17	-108.25	-109.05	153.25		
1.54E+08	-109.42	-108.98	-106.25	153.68		
1.54E+08	-110.56	-109.06	-107.81	154.10		
1.55E+08	-110.18	-107.32	-106.82	154.53		
1.55E+08	-110.45	-107.94	-107.90	154.95		
1.55E+08	-109.03	-106.83	-103.16	155.38		
1.56E+08	-109.91	-108.20	-106.98	155.80		
1.56E+08	-109.16	-108.48	-108.35	156.23		
1.57E+08	-107.92	-107.89	-107.32	156.65		
1.57E+08	-109.86	-107.65	-106.89	157.08		
1.58E+08	-108.81	-108.73	-108.82	157.50		
1.58E+08	-108.32	-106.61	-101.53	157.93		6.79
1.58E+08	-108.13	-107.61	-107.39	158.35		
1.59E+08	-108.74	-108.45	-108.26	158.78		
1.59E+08	-109.75	-107.68	-106.95	159.20		
1.60E+08	-110.93	-107.96	-107.76	159.63		
1.60E+08	-109.50	-108.31	-107.33	160.05		
1.60E+08	-110.82	-107.52	-108.55	160.48		
1.61E+08	-109.33	-107.92	-109.04	160.90		
1.61E+08	-109.50	-107.26	-106.97	161.33		
1.62E+08	-109.60	-108.78	-107.63	161.75		
1.62E+08	-106.08	-104.87	-105.14	162.18		
1.63E+08	-110.63	-108.42	-107.59	162.60		
1.63E+08	-109.01	-107.65	-109.16	163.03		
1.63E+08	-109.06	-108.12	-107.47	163.45		
1.64E+08	-110.24	-108.47	-108.76	163.88		
1.64E+08	-110.18	-108.12	-107.16	164.30		
1.65E+08	-110.34	-107.66	-107.03	164.73		

30-200 MHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Frequency (Hz)	Ambient Scan	575' length of power	575' length of power	Freq KHz	Comparison	
	No power line	cord on the ground	cord on the ground		20-Dec	28-Dec
	on the ground	connecting shed	receivers connected		minus the Ambient scan	
9-Dec-10	20-Dec-10	28-Dec-10		Enter Limit >	dBm	dBm
Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)			6.00	6.00
1.65E+08	-109.22	-107.79	-109.36	165.15		
1.66E+08	-109.06	-107.79	-108.16	165.58		
1.66E+08	-108.89	-107.01	-107.38	166.00		
1.66E+08	-108.29	-108.65	-107.55	166.43		
1.67E+08	-110.07	-107.85	-107.75	166.85		
1.67E+08	-109.41	-108.94	-106.71	167.28		
1.68E+08	-109.34	-108.13	-107.55	167.70		
1.68E+08	-111.05	-109.22	-110.38	168.13		
1.69E+08	-108.61	-108.18	-107.37	168.55		
1.69E+08	-110.04	-108.46	-107.23	168.98		
1.69E+08	-110.05	-107.94	-107.62	169.40		
1.70E+08	-109.95	-108.17	-107.89	169.83		
1.70E+08	-109.45	-108.47	-106.68	170.25		
1.71E+08	-109.04	-107.26	-107.85	170.68		
1.71E+08	-108.67	-107.74	-105.74	171.10		
1.72E+08	-109.48	-107.81	-106.22	171.53		
1.72E+08	-109.02	-108.59	-107.18	171.95		
1.72E+08	-108.93	-107.12	-107.05	172.38		
1.73E+08	-110.41	-109.22	-107.59	172.80		
1.73E+08	-109.77	-109.55	-110.29	173.23		
1.74E+08	-108.35	-107.75	-107.51	173.65		
1.74E+08	-109.91	-108.57	-107.23	174.08		
1.75E+08	-109.50	-108.76	-108.30	174.50		
1.75E+08	-111.39	-108.12	-108.03	174.93		
1.75E+08	-109.95	-108.55	-108.11	175.35		
1.76E+08	-110.40	-108.32	-107.45	175.78		
1.76E+08	-107.93	-107.82	-107.58	176.20		
1.77E+08	-108.78	-108.44	-107.18	176.63		
1.77E+08	-107.72	-107.57	-106.86	177.05		

30-200 MHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Frequency (Hz)	Ambient Scan	575' length of power	575' length of power	Freq KHz	Comparison	
	No power line	cord on the ground	cord on the ground		20-Dec	28-Dec
	on the ground	connecting shed	receivers connected		minus the Ambient	scan
	9-Dec-10	20-Dec-10	28-Dec-10		dBm	dBm
	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	6.00	6.00
1.77E+08	-108.41	-108.34	-106.61	177.48		
1.78E+08	-110.86	-109.06	-108.15	177.90		
1.78E+08	-108.88	-107.81	-107.97	178.33		
1.79E+08	-108.89	-107.49	-106.60	178.75		
1.79E+08	-110.03	-107.92	-107.69	179.18		
1.80E+08	-109.56	-108.40	-107.93	179.60		
1.80E+08	-111.10	-107.24	-107.13	180.03		
1.80E+08	-109.06	-108.09	-107.40	180.45		
1.81E+08	-108.85	-108.86	-108.66	180.88		
1.81E+08	-108.13	-108.66	-107.53	181.30		
1.82E+08	-109.98	-108.15	-108.31	181.73		
1.82E+08	-108.94	-108.74	-107.88	182.15		
1.83E+08	-108.54	-108.67	-107.71	182.58		
1.83E+08	-109.59	-108.54	-107.39	183.00		
1.83E+08	-109.25	-108.31	-108.47	183.43		
1.84E+08	-108.38	-107.60	-108.44	183.85		
1.84E+08	-111.08	-108.88	-107.17	184.28		
1.85E+08	-108.92	-108.55	-107.87	184.70		
1.85E+08	-109.57	-109.64	-108.85	185.13		
1.86E+08	-108.55	-107.65	-107.89	185.55		
1.86E+08	-108.69	-108.44	-106.89	185.98		
1.86E+08	-108.41	-108.66	-108.60	186.40		
1.87E+08	-108.67	-108.20	-108.66	186.83		
1.87E+08	-109.91	-108.15	-109.21	187.25		
1.88E+08	-109.76	-108.92	-108.86	187.68		
1.88E+08	-106.62	-108.49	-107.89	188.10		
1.89E+08	-109.31	-110.03	-108.59	188.53		
1.89E+08	-110.23	-107.97	-107.39	188.95		
1.89E+08	-108.46	-107.67	-106.93	189.38		

30-200 MHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

					Comparison	
					20-Dec minus the Ambient scan	28-Dec
					dBm	dBm
					6.00	6.00
	Ambient Scan	575' length of power	575' length of power			
	No power line	cord on the ground	cord on the ground			
	on the ground	connecting shed	receivers connected			
9-Dec-10	20-Dec-10	28-Dec-10				
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Freq KHz		
				Enter Limit >		
1.90E+08	-106.90	-105.89	-107.20	189.80		
1.90E+08	-110.49	-108.24	-107.31	190.23		
1.91E+08	-110.66	-108.19	-106.60	190.65		
1.91E+08	-110.51	-108.31	-107.54	191.08		
1.92E+08	-110.46	-107.85	-106.87	191.50		
1.92E+08	-108.82	-108.71	-107.63	191.93		
1.92E+08	-107.89	-108.73	-106.53	192.35		
1.93E+08	-109.23	-107.83	-107.50	192.78		
1.93E+08	-108.72	-108.44	-106.83	193.20		
1.94E+08	-110.74	-107.63	-107.74	193.63		
1.94E+08	-110.47	-107.81	-107.91	194.05		
1.94E+08	-110.33	-108.77	-107.89	194.48		
1.95E+08	-108.42	-107.56	-108.09	194.90		
1.95E+08	-108.03	-108.28	-109.23	195.33		
1.96E+08	-108.17	-109.43	-106.49	195.75		
1.96E+08	-110.58	-109.31	-107.44	196.18		
1.97E+08	-109.37	-108.80	-108.46	196.60		
1.97E+08	-110.37	-108.77	-106.91	197.03		
1.97E+08	-111.05	-108.72	-108.45	197.45		
1.98E+08	-109.56	-108.39	-108.77	197.88		
1.98E+08	-109.64	-108.95	-107.41	198.30		
1.99E+08	-108.82	-107.80	-107.78	198.73		
1.99E+08	-109.89	-108.58	-107.51	199.15		
2.00E+08	-108.58	-109.43	-107.56	199.58		
2.00E+08	-110.84	-108.76	-108.82	200.00		
					12.38	134.85
					Sum	147.23

Attenuation (dB)
 0.00E+00

 Center Frequency (Hz)
 1.15E+08

 Date/Time
 12/20/2010 12:01

 Instrument Model
 E4407B

 Instrument Serial Number
 MY45116875

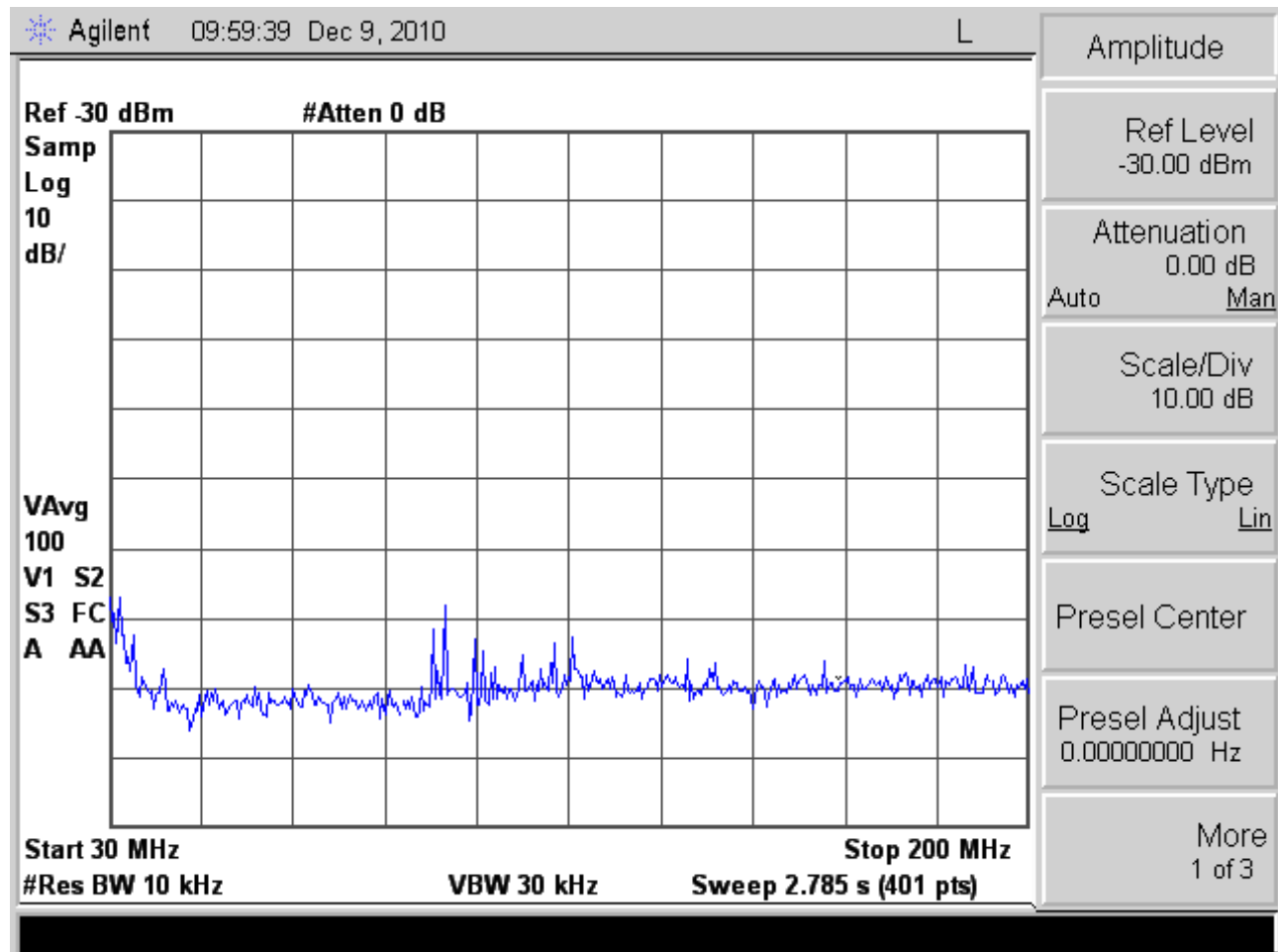
 Reference Level (dBm)
 -3.00E+01

 Resolution BW (Hz)
 1.00E+04

 Scale Type
 LOG

 Span Frequency (Hz)
 1.70E+08

 Start Frequency (Hz)
 3.00E+07

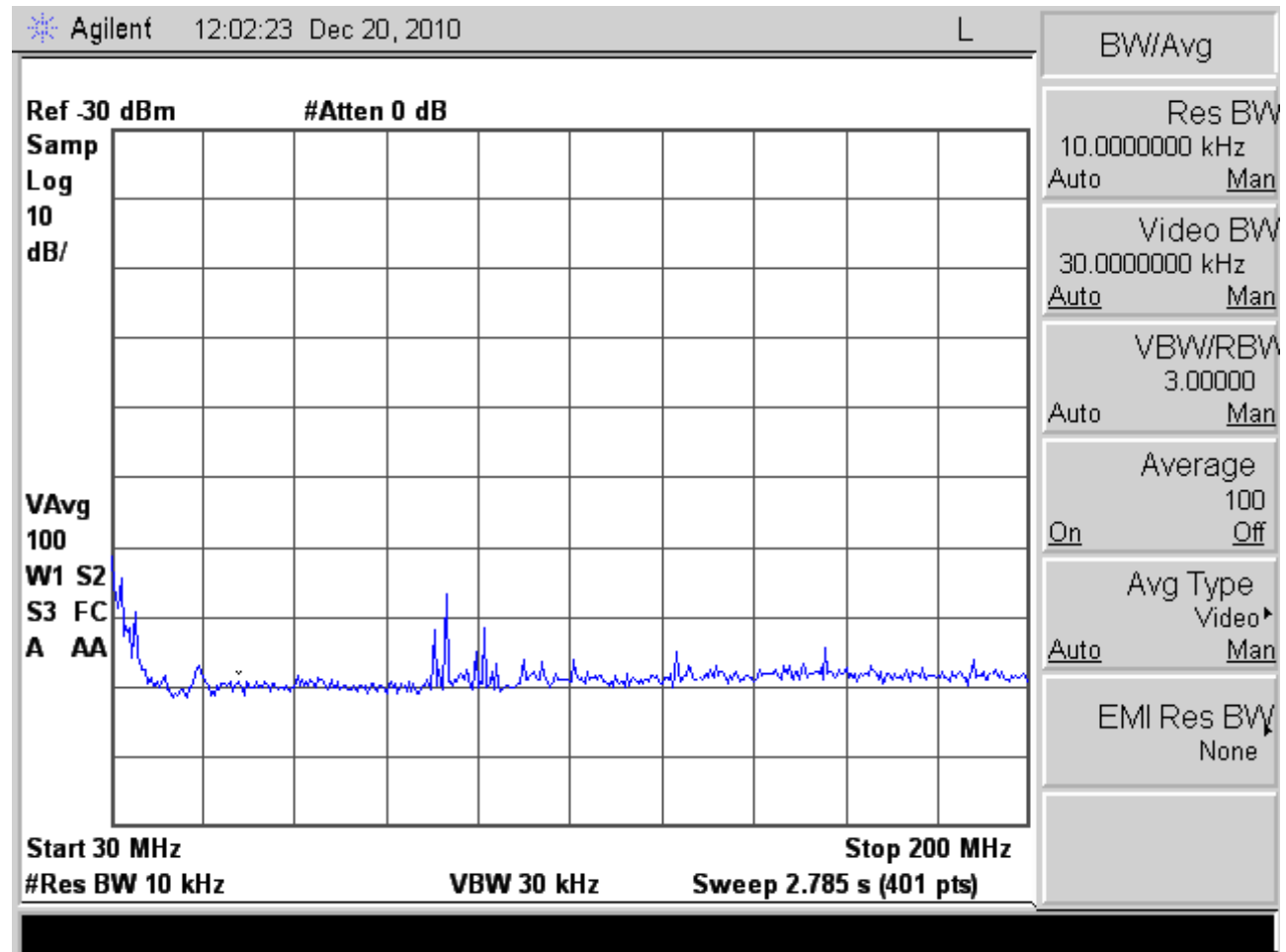


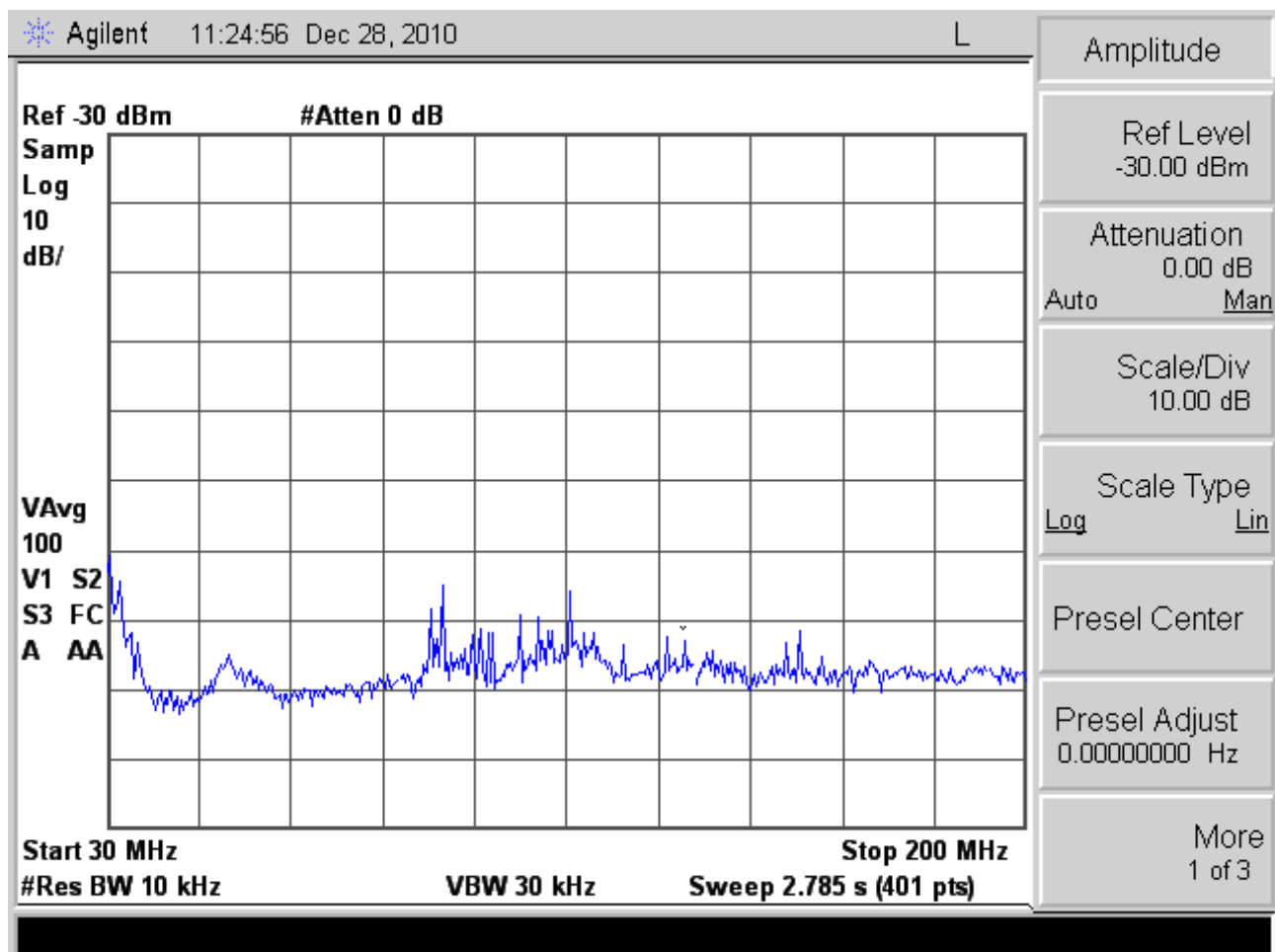
Stop Frequency (Hz)
2.00E+08

Sweep Number Of Points
401

Sweep Time (seconds)
2.78E+00

Video BW (Hz)
3.00E+04





200-500 MHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

					Comparison	
					20-Dec	28-Dec
					minus the Ambient scan	
					dBm	dBm
					3.00	3.00
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >		
2.00E+08	-109.33	-108.51	-108.02	200.00		
2.01E+08	-109.56	-111.34	-108.15	200.75		
2.02E+08	-106.08	-108.23	-104.41	201.50		
2.02E+08	-109.54	-109.01	-107.34	202.25		
2.03E+08	-108.56	-108.64	-107.89	203.00		
2.04E+08	-108.42	-110.21	-108.05	203.75		
2.05E+08	-109.38	-107.85	-107.65	204.50		
2.05E+08	-109.50	-110.28	-107.92	205.25		
2.06E+08	-108.05	-107.63	-108.43	206.00		
2.07E+08	-109.10	-109.57	-107.83	206.75		
2.08E+08	-108.48	-109.46	-108.51	207.50		
2.08E+08	-108.36	-108.81	-108.77	208.25		
2.09E+08	-107.88	-111.50	-109.25	209.00	-3.62	
2.10E+08	-108.70	-108.62	-108.53	209.75		
2.11E+08	-108.60	-109.62	-108.43	210.50		
2.11E+08	-109.09	-111.43	-106.80	211.25		
2.12E+08	-108.70	-109.25	-107.93	212.00		
2.13E+08	-108.75	-109.25	-107.07	212.75		
2.14E+08	-109.36	-108.22	-108.15	213.50		
2.14E+08	-108.75	-109.94	-107.37	214.25		
2.15E+08	-109.37	-110.00	-107.80	215.00		
2.16E+08	-109.06	-110.25	-108.00	215.75		
2.17E+08	-108.94	-108.17	-108.14	216.50		
2.17E+08	-108.42	-107.99	-107.57	217.25		
2.18E+08	-109.75	-108.06	-107.47	218.00		
2.19E+08	-107.62	-109.25	-106.82	218.75		
2.20E+08	-108.30	-109.72	-107.71	219.50		

200-500 MHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power	575' length of power	Comparison	
No power line		cord on the ground	cord on the ground	20-Dec	28-Dec
on the ground		connecting shed	receivers connected	minus the Ambient scan	
9-Dec-10		20-Dec-10	28-Dec-10	Freq KHz	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	
					dBm
					3.00
					3.00
2.20E+08	-108.02	-110.36	-106.95	220.25	
2.21E+08	-108.58	-108.07	-108.08	221.00	
2.22E+08	-109.48	-107.61	-107.02	221.75	
2.23E+08	-108.43	-109.35	-107.13	222.50	
2.23E+08	-108.67	-109.90	-107.74	223.25	
2.24E+08	-109.07	-110.48	-107.90	224.00	
2.25E+08	-109.81	-110.74	-106.67	224.75	3.14
2.26E+08	-108.83	-108.21	-106.64	225.50	
2.26E+08	-109.41	-111.11	-107.29	226.25	
2.27E+08	-108.44	-110.06	-106.94	227.00	
2.28E+08	-107.69	-107.53	-107.00	227.75	
2.29E+08	-108.80	-111.78	-107.72	228.50	
2.29E+08	-110.02	-107.78	-108.17	229.25	
2.30E+08	-108.77	-109.53	-107.25	230.00	
2.31E+08	-111.04	-111.36	-107.21	230.75	3.83
2.32E+08	-108.30	-108.32	-107.22	231.50	
2.32E+08	-108.87	-108.35	-107.14	232.25	
2.33E+08	-108.34	-110.34	-108.45	233.00	
2.34E+08	-108.45	-111.81	-108.50	233.75	-3.35
2.35E+08	-109.15	-109.48	-107.35	234.50	
2.35E+08	-108.61	-108.39	-106.67	235.25	
2.36E+08	-108.94	-108.43	-107.20	236.00	
2.37E+08	-108.31	-112.03	-108.11	236.75	-3.72
2.38E+08	-109.35	-109.75	-108.27	237.50	
2.38E+08	-109.24	-108.29	-108.15	238.25	
2.39E+08	-109.57	-108.22	-107.97	239.00	
2.40E+08	-108.73	-111.67	-107.52	239.75	

200-500 MHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Frequency (Hz)	Ambient Scan	575' length of power	575' length of power	Comparison		
	No power line	cord on the ground	cord on the ground	20-Dec	28-Dec	
	on the ground	connecting shed	receivers connected	minus the Ambient scan		
	9-Dec-10	20-Dec-10	28-Dec-10	Freq KHz	dBm	dBm
Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	3.00	3.00
2.41E+08	-109.35	-108.71	-107.32	240.50		
2.41E+08	-109.07	-112.59	-108.31	241.25	-3.52	
2.42E+08	-110.00	-109.17	-107.61	242.00		
2.43E+08	-109.38	-109.25	-107.28	242.75		
2.44E+08	-108.94	-107.19	-107.39	243.50		
2.44E+08	-108.44	-109.69	-107.83	244.25		
2.45E+08	-108.31	-109.38	-107.84	245.00		
2.46E+08	-108.98	-109.54	-109.31	245.75		
2.47E+08	-108.63	-109.81	-108.19	246.50		
2.47E+08	-109.25	-108.04	-107.79	247.25		
2.48E+08	-109.07	-108.11	-107.71	248.00		
2.49E+08	-109.21	-110.85	-108.03	248.75		
2.50E+08	-108.48	-109.03	-107.29	249.50		
2.50E+08	-109.18	-109.15	-108.96	250.25		
2.51E+08	-109.52	-109.34	-107.79	251.00		
2.52E+08	-109.58	-110.89	-107.56	251.75		
2.53E+08	-110.45	-108.78	-108.27	252.50		
2.53E+08	-109.10	-111.93	-107.54	253.25		
2.54E+08	-109.89	-111.18	-108.28	254.00		
2.55E+08	-110.44	-111.46	-109.67	254.75		
2.56E+08	-110.52	-111.87	-108.98	255.50		
2.56E+08	-110.22	-109.56	-107.64	256.25		
2.57E+08	-108.50	-111.21	-109.11	257.00		
2.58E+08	-109.04	-111.29	-108.26	257.75		
2.59E+08	-108.73	-109.76	-107.59	258.50		
2.59E+08	-111.47	-111.70	-108.44	259.25		3.03
2.60E+08	-109.20	-109.46	-107.71	260.00		

200-500 MHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

					Comparison	
					20-Dec	28-Dec
					minus the Ambient scan	
					dBm	dBm
					3.00	3.00
Frequency (Hz)	Ambient Scan No power line on the ground 9-Dec-10 Trace1 (dBm)	575' length of power cord on the ground connecting shed 20-Dec-10 Trace1 (dBm)	575' length of power cord on the ground receivers connected 28-Dec-10 Trace1 (dBm)	Freq KHz Enter Limit >		
2.61E+08	-108.24	-110.09	-108.71	260.75		
2.62E+08	-109.70	-111.18	-107.71	261.50		
2.62E+08	-110.20	-110.82	-108.27	262.25		
2.63E+08	-110.26	-108.54	-108.26	263.00		
2.64E+08	-108.09	-111.39	-108.72	263.75	-3.29	
2.65E+08	-109.29	-111.01	-107.99	264.50		
2.65E+08	-110.43	-110.42	-108.28	265.25		
2.66E+08	-109.10	-108.74	-107.77	266.00		
2.67E+08	-109.65	-109.71	-108.13	266.75		
2.68E+08	-109.09	-110.65	-109.16	267.50		
2.68E+08	-109.47	-111.29	-108.75	268.25		
2.69E+08	-109.98	-109.62	-107.80	269.00		
2.70E+08	-109.93	-112.49	-108.53	269.75		
2.71E+08	-109.30	-109.52	-108.26	270.50		
2.71E+08	-108.75	-109.25	-108.69	271.25		
2.72E+08	-109.58	-109.70	-108.79	272.00		
2.73E+08	-108.70	-109.09	-108.11	272.75		
2.74E+08	-109.21	-109.10	-108.45	273.50		
2.74E+08	-110.79	-109.71	-108.78	274.25		
2.75E+08	-109.57	-108.20	-108.26	275.00		
2.76E+08	-108.89	-110.76	-108.92	275.75		
2.77E+08	-109.41	-108.35	-108.04	276.50		
2.77E+08	-110.25	-109.43	-108.46	277.25		
2.78E+08	-108.25	-109.38	-108.39	278.00		
2.79E+08	-108.95	-109.99	-108.54	278.75		
2.80E+08	-108.58	-108.76	-108.35	279.50		
2.80E+08	-110.38	-110.14	-108.52	280.25		

200-500 MHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Frequency (Hz)	Ambient Scan	575' length of power	575' length of power	Comparison		
	No power line	cord on the ground	cord on the ground	20-Dec	28-Dec	
	on the ground	connecting shed	receivers connected	minus the Ambient scan		
	9-Dec-10	20-Dec-10	28-Dec-10	Freq KHz	dBm	dBm
	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	3.00	3.00
2.81E+08	-109.65	-109.89	-108.93	281.00		
2.82E+08	-109.87	-111.86	-108.13	281.75		
2.83E+08	-109.48	-109.32	-109.82	282.50		
2.83E+08	-109.62	-113.05	-107.93	283.25	-3.43	
2.84E+08	-110.00	-110.00	-109.65	284.00		
2.85E+08	-109.54	-109.80	-109.23	284.75		
2.86E+08	-109.34	-108.60	-107.92	285.50		
2.86E+08	-109.50	-108.66	-108.58	286.25		
2.87E+08	-109.20	-109.15	-108.42	287.00		
2.88E+08	-109.78	-113.76	-108.06	287.75	-3.97	
2.89E+08	-110.47	-109.26	-108.41	288.50		
2.89E+08	-109.42	-110.25	-108.08	289.25		
2.90E+08	-109.24	-112.23	-109.38	290.00		
2.91E+08	-109.91	-109.46	-107.64	290.75		
2.92E+08	-109.43	-111.38	-108.59	291.50		
2.92E+08	-109.88	-109.88	-107.73	292.25		
2.93E+08	-109.28	-111.11	-108.75	293.00		
2.94E+08	-109.84	-110.66	-107.45	293.75		
2.95E+08	-109.33	-109.48	-108.67	294.50		
2.95E+08	-109.71	-110.00	-108.59	295.25		
2.96E+08	-108.86	-111.56	-108.96	296.00		
2.97E+08	-108.77	-109.16	-108.88	296.75		
2.98E+08	-109.82	-111.32	-108.87	297.50		
2.98E+08	-109.59	-109.34	-109.01	298.25		
2.99E+08	-109.93	-109.62	-108.33	299.00		
3.00E+08	-108.29	-110.69	-109.33	299.75		
3.01E+08	-109.02	-110.63	-109.02	300.50		

200-500 MHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Frequency (Hz)	Ambient Scan	575' length of power	575' length of power	Comparison	
	No power line	cord on the ground	cord on the ground	20-Dec	28-Dec
	on the ground	connecting shed	receivers connected	minus the Ambient scan	
	9-Dec-10	20-Dec-10	28-Dec-10	Freq KHz	
	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	
					dBm
					dBm
					3.00
					3.00
3.01E+08	-109.75	-110.79	-108.09	301.25	
3.02E+08	-108.43	-108.36	-108.81	302.00	
3.03E+08	-108.45	-108.54	-108.75	302.75	
3.04E+08	-108.69	-109.70	-108.04	303.50	
3.04E+08	-108.11	-109.04	-107.23	304.25	
3.05E+08	-110.02	-109.83	-108.30	305.00	
3.06E+08	-109.37	-112.07	-108.29	305.75	
3.07E+08	-108.71	-110.85	-108.68	306.50	
3.07E+08	-108.86	-108.12	-107.40	307.25	
3.08E+08	-108.89	-109.29	-108.99	308.00	
3.09E+08	-108.32	-109.06	-108.06	308.75	
3.10E+08	-110.07	-109.82	-108.03	309.50	
3.10E+08	-108.36	-109.48	-108.13	310.25	
3.11E+08	-109.22	-108.87	-108.73	311.00	
3.12E+08	-109.75	-108.94	-109.07	311.75	
3.13E+08	-109.59	-108.43	-108.32	312.50	
3.13E+08	-109.21	-109.91	-109.01	313.25	
3.14E+08	-110.04	-108.16	-109.55	314.00	
3.15E+08	-109.87	-111.01	-108.19	314.75	
3.16E+08	-108.36	-109.50	-109.11	315.50	
3.16E+08	-108.45	-111.17	-108.20	316.25	
3.17E+08	-109.01	-110.12	-108.52	317.00	
3.18E+08	-109.16	-109.48	-109.26	317.75	
3.19E+08	-109.31	-109.09	-108.53	318.50	
3.19E+08	-109.24	-108.74	-108.46	319.25	
3.20E+08	-108.81	-112.06	-107.87	320.00	-3.25
3.21E+08	-108.78	-108.85	-108.15	320.75	

200-500 MHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Frequency (Hz)	Ambient Scan	575' length of power	575' length of power	Comparison		
	No power line	cord on the ground	cord on the ground	20-Dec	28-Dec	
	on the ground	connecting shed	receivers connected	minus the Ambient scan		
	9-Dec-10	20-Dec-10	28-Dec-10	Freq KHz		
	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	dBm	dBm
					3.00	3.00
3.22E+08	-109.54	-108.18	-106.88	321.50		
3.22E+08	-108.27	-112.46	-108.25	322.25	-4.19	
3.23E+08	-108.73	-110.52	-108.07	323.00		
3.24E+08	-109.21	-109.69	-107.66	323.75		
3.25E+08	-108.93	-109.67	-108.05	324.50		
3.25E+08	-108.68	-110.72	-108.51	325.25		
3.26E+08	-109.74	-108.39	-109.30	326.00		
3.27E+08	-108.57	-108.20	-108.00	326.75		
3.28E+08	-109.51	-108.59	-109.17	327.50		
3.28E+08	-108.85	-109.19	-109.11	328.25		
3.29E+08	-110.07	-108.93	-108.71	329.00		
3.30E+08	-109.37	-108.08	-108.45	329.75		
3.31E+08	-108.96	-109.68	-107.74	330.50		
3.31E+08	-109.42	-111.00	-108.44	331.25		
3.32E+08	-108.91	-110.09	-107.75	332.00		
3.33E+08	-109.42	-109.51	-107.68	332.75		
3.34E+08	-108.21	-108.89	-108.68	333.50		
3.34E+08	-108.22	-110.94	-108.32	334.25		
3.35E+08	-109.10	-110.45	-107.48	335.00		
3.36E+08	-110.20	-108.46	-108.28	335.75		
3.37E+08	-107.77	-109.65	-107.43	336.50		
3.37E+08	-109.43	-107.66	-107.54	337.25		
3.38E+08	-108.80	-109.77	-107.68	338.00		
3.39E+08	-109.17	-108.61	-108.23	338.75		
3.40E+08	-110.19	-112.34	-108.75	339.50		
3.40E+08	-109.61	-108.01	-108.90	340.25		
3.41E+08	-109.09	-109.40	-108.38	341.00		

200-500 MHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power	575' length of power	Comparison	
No power line		cord on the ground	cord on the ground	20-Dec	28-Dec
on the ground		connecting shed	receivers connected	minus the Ambient scan	
9-Dec-10		20-Dec-10	28-Dec-10	Freq KHz	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	
					dBm
					3.00
					3.00
3.42E+08	-108.27	-110.85	-108.47	341.75	
3.43E+08	-108.84	-109.10	-108.97	342.50	
3.43E+08	-108.47	-108.32	-108.51	343.25	
3.44E+08	-110.37	-110.05	-109.01	344.00	
3.45E+08	-108.78	-109.36	-108.80	344.75	
3.46E+08	-108.29	-108.48	-107.39	345.50	
3.46E+08	-108.59	-109.14	-108.69	346.25	
3.47E+08	-109.69	-114.56	-107.62	347.00	-4.87
3.48E+08	-109.46	-111.12	-107.26	347.75	
3.49E+08	-108.80	-109.39	-107.63	348.50	
3.49E+08	-108.96	-109.58	-107.26	349.25	
3.50E+08	-109.15	-107.96	-107.18	350.00	
3.51E+08	-108.34	-107.99	-107.59	350.75	
3.52E+08	-110.42	-110.55	-109.59	351.50	
3.52E+08	-109.50	-109.57	-107.92	352.25	
3.53E+08	-109.21	-110.24	-107.77	353.00	
3.54E+08	-108.70	-111.24	-109.29	353.75	
3.55E+08	-108.81	-110.11	-108.06	354.50	
3.55E+08	-110.93	-109.92	-109.16	355.25	
3.56E+08	-108.65	-110.29	-108.83	356.00	
3.57E+08	-108.74	-109.23	-108.57	356.75	
3.58E+08	-109.09	-111.10	-108.09	357.50	
3.58E+08	-109.98	-110.68	-108.77	358.25	
3.59E+08	-109.79	-109.40	-109.49	359.00	
3.60E+08	-109.54	-107.64	-109.48	359.75	
3.61E+08	-109.12	-113.61	-108.43	360.50	-4.49
3.61E+08	-109.38	-111.43	-108.26	361.25	

200-500 MHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Frequency (Hz)	Ambient Scan	575' length of power	575' length of power	Comparison		
	No power line	cord on the ground	cord on the ground	20-Dec	28-Dec	
	on the ground	connecting shed	receivers connected	minus the Ambient scan		
	9-Dec-10	20-Dec-10	28-Dec-10	Freq KHz		
	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	dBm	dBm
					3.00	3.00
3.62E+08	-109.17	-110.61	-108.51	362.00		
3.63E+08	-108.72	-109.78	-109.20	362.75		
3.64E+08	-108.99	-108.33	-108.10	363.50		
3.64E+08	-109.63	-109.86	-107.85	364.25		
3.65E+08	-109.06	-109.75	-108.10	365.00		
3.66E+08	-108.78	-108.62	-108.44	365.75		
3.67E+08	-108.96	-109.55	-107.42	366.50		
3.67E+08	-109.22	-108.43	-108.84	367.25		
3.68E+08	-108.74	-108.75	-109.24	368.00		
3.69E+08	-109.59	-111.02	-108.39	368.75		
3.70E+08	-109.59	-109.51	-107.49	369.50		
3.70E+08	-109.73	-111.07	-108.64	370.25		
3.71E+08	-108.37	-110.31	-109.05	371.00		
3.72E+08	-108.82	-109.38	-108.10	371.75		
3.73E+08	-110.00	-110.76	-108.66	372.50		
3.73E+08	-109.41	-109.63	-108.55	373.25		
3.74E+08	-109.32	-108.53	-108.23	374.00		
3.75E+08	-109.09	-109.27	-108.28	374.75		
3.76E+08	-109.86	-108.84	-108.66	375.50		
3.76E+08	-109.47	-109.09	-108.93	376.25		
3.77E+08	-108.87	-110.29	-108.40	377.00		
3.78E+08	-109.17	-109.61	-107.95	377.75		
3.79E+08	-108.29	-109.85	-108.49	378.50		
3.79E+08	-110.13	-108.35	-107.64	379.25		
3.80E+08	-109.33	-108.83	-107.94	380.00		
3.81E+08	-108.30	-109.45	-106.74	380.75		
3.82E+08	-108.40	-110.65	-107.44	381.50		

200-500 MHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

					Comparison	
					20-Dec	28-Dec
					minus the Ambient scan	
					dBm	dBm
					3.00	3.00
Frequency (Hz)	Ambient Scan No power line on the ground 9-Dec-10 Trace1 (dBm)	575' length of power cord on the ground connecting shed 20-Dec-10 Trace1 (dBm)	575' length of power cord on the ground receivers connected 28-Dec-10 Trace1 (dBm)	Freq KHz Enter Limit >		
3.82E+08	-109.55	-109.54	-108.41	382.25		
3.83E+08	-108.29	-110.61	-108.67	383.00		
3.84E+08	-108.51	-109.00	-109.36	383.75		
3.85E+08	-108.64	-110.49	-108.10	384.50		
3.85E+08	-108.64	-108.66	-108.92	385.25		
3.86E+08	-109.88	-110.23	-107.90	386.00		
3.87E+08	-109.94	-108.05	-108.59	386.75		
3.88E+08	-109.67	-114.08	-108.93	387.50	-4.41	
3.88E+08	-108.90	-111.25	-109.52	388.25		
3.89E+08	-110.39	-109.08	-108.04	389.00		
3.90E+08	-110.35	-111.01	-109.06	389.75		
3.91E+08	-109.28	-108.44	-109.57	390.50		
3.91E+08	-109.50	-109.07	-109.35	391.25		
3.92E+08	-109.23	-108.61	-108.88	392.00		
3.93E+08	-108.48	-108.36	-108.00	392.75		
3.94E+08	-109.28	-108.51	-108.47	393.50		
3.94E+08	-108.41	-109.81	-108.07	394.25		
3.95E+08	-109.20	-109.97	-108.29	395.00		
3.96E+08	-108.18	-108.42	-107.49	395.75		
3.97E+08	-109.58	-109.32	-108.17	396.50		
3.97E+08	-108.62	-113.27	-107.91	397.25	-4.64	
3.98E+08	-109.11	-112.08	-108.00	398.00		
3.99E+08	-110.34	-108.30	-108.64	398.75		
4.00E+08	-109.08	-112.04	-107.92	399.50		
4.00E+08	-108.54	-109.32	-108.24	400.25		
4.01E+08	-108.62	-110.72	-108.27	401.00		
4.02E+08	-110.03	-109.41	-108.42	401.75		

200-500 MHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

					Comparison	
Ambient Scan		575' length of power	575' length of power	Freq KHz	20-Dec	28-Dec
No power line		cord on the ground	cord on the ground		minus the Ambient scan	
on the ground		connecting shed	receivers connected			
9-Dec-10		20-Dec-10	28-Dec-10		dBm	dBm
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	3.00	3.00
4.03E+08	-108.53	-110.62	-108.43	402.50		
4.03E+08	-109.82	-111.95	-108.45	403.25		
4.04E+08	-107.91	-110.36	-108.48	404.00		
4.05E+08	-109.01	-112.08	-109.44	404.75	-3.07	
4.06E+08	-109.98	-108.99	-108.89	405.50		
4.06E+08	-109.29	-109.78	-108.83	406.25		
4.07E+08	-110.07	-110.33	-108.14	407.00		
4.08E+08	-109.03	-110.61	-109.04	407.75		
4.09E+08	-108.73	-109.07	-108.59	408.50		
4.09E+08	-107.59	-110.83	-108.88	409.25	-3.25	
4.10E+08	-108.79	-110.17	-109.28	410.00		
4.11E+08	-109.43	-109.64	-108.41	410.75		
4.12E+08	-108.91	-109.57	-108.80	411.50		
4.12E+08	-109.31	-108.53	-108.39	412.25		
4.13E+08	-108.75	-111.13	-109.30	413.00		
4.14E+08	-109.85	-110.72	-109.19	413.75		
4.15E+08	-109.15	-108.79	-108.38	414.50		
4.15E+08	-109.30	-110.34	-107.83	415.25		
4.16E+08	-109.55	-109.19	-108.88	416.00		
4.17E+08	-110.13	-108.47	-109.04	416.75		
4.18E+08	-109.84	-108.45	-109.43	417.50		
4.18E+08	-108.99	-111.58	-108.81	418.25		
4.19E+08	-109.80	-110.69	-109.91	419.00		
4.20E+08	-108.89	-112.25	-108.61	419.75	-3.36	
4.21E+08	-108.19	-109.58	-108.63	420.50		
4.21E+08	-109.20	-109.39	-108.27	421.25		
4.22E+08	-109.30	-110.84	-108.56	422.00		

200-500 MHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Frequency (Hz)	Ambient Scan	575' length of power	575' length of power	Comparison		
	No power line	cord on the ground	cord on the ground	20-Dec	28-Dec	
	on the ground	connecting shed	receivers connected	minus the Ambient scan		
	9-Dec-10	20-Dec-10	28-Dec-10	Freq KHz		
	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	dBm	dBm
					3.00	3.00
4.23E+08	-109.18	-109.54	-108.42	422.75		
4.24E+08	-109.60	-110.26	-108.87	423.50		
4.24E+08	-109.59	-109.95	-107.40	424.25		
4.25E+08	-109.42	-108.46	-108.32	425.00		
4.26E+08	-108.97	-109.70	-108.83	425.75		
4.27E+08	-108.94	-112.31	-107.90	426.50	-3.37	
4.27E+08	-109.08	-109.53	-108.17	427.25		
4.28E+08	-109.33	-110.32	-109.64	428.00		
4.29E+08	-109.78	-111.29	-108.44	428.75		
4.30E+08	-108.46	-111.58	-108.77	429.50	-3.12	
4.30E+08	-110.05	-109.49	-109.65	430.25		
4.31E+08	-110.83	-110.30	-108.43	431.00		
4.32E+08	-108.67	-110.85	-108.41	431.75		
4.33E+08	-109.08	-110.16	-109.35	432.50		
4.33E+08	-109.96	-111.49	-108.83	433.25		
4.34E+08	-109.67	-109.75	-108.37	434.00		
4.35E+08	-109.56	-109.43	-107.92	434.75		
4.36E+08	-108.63	-107.89	-108.41	435.50		
4.36E+08	-108.70	-110.51	-108.50	436.25		
4.37E+08	-109.18	-112.84	-107.71	437.00	-3.66	
4.38E+08	-109.53	-110.06	-108.67	437.75		
4.39E+08	-108.59	-108.48	-108.30	438.50		
4.39E+08	-108.73	-111.74	-108.75	439.25	-3.00	
4.40E+08	-108.30	-108.95	-108.76	440.00		
4.41E+08	-109.47	-111.90	-107.06	440.75		
4.42E+08	-108.89	-109.22	-109.19	441.50		
4.42E+08	-109.25	-110.15	-107.47	442.25		

200-500 MHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Frequency (Hz)	Ambient Scan	575' length of power	575' length of power	Comparison		
	No power line	cord on the ground	cord on the ground	20-Dec	28-Dec	
	on the ground	connecting shed	receivers connected	minus the Ambient scan		
	9-Dec-10	20-Dec-10	28-Dec-10	Freq KHz		
	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	dBm	dBm
					3.00	3.00
4.43E+08	-108.46	-109.28	-109.41	443.00		
4.44E+08	-109.31	-110.88	-109.47	443.75		
4.45E+08	-109.63	-109.13	-108.71	444.50		
4.45E+08	-109.75	-110.18	-109.11	445.25		
4.46E+08	-109.21	-110.68	-107.51	446.00		
4.47E+08	-110.04	-108.55	-109.08	446.75		
4.48E+08	-109.60	-108.58	-108.16	447.50		
4.48E+08	-108.27	-110.11	-106.46	448.25		
4.49E+08	-109.00	-108.91	-107.48	449.00		
4.50E+08	-108.27	-107.96	-107.46	449.75		
4.51E+08	-108.07	-110.19	-109.46	450.50		
4.51E+08	-106.69	-107.58	-106.17	451.25		
4.52E+08	-108.92	-110.91	-107.69	452.00		
4.53E+08	-107.67	-105.25	-105.40	452.75		
4.54E+08	-109.80	-109.53	-108.62	453.50		
4.54E+08	-108.82	-111.67	-108.79	454.25		
4.55E+08	-110.00	-110.12	-108.52	455.00		
4.56E+08	-108.94	-109.06	-109.46	455.75		
4.57E+08	-108.74	-108.14	-109.34	456.50		
4.57E+08	-109.10	-107.83	-109.21	457.25		
4.58E+08	-109.60	-109.74	-109.62	458.00		
4.59E+08	-110.78	-110.27	-109.14	458.75		
4.60E+08	-109.97	-110.60	-109.03	459.50		
4.60E+08	-108.40	-108.62	-108.86	460.25		
4.61E+08	-108.79	-111.15	-109.22	461.00		
4.62E+08	-103.59	-109.29	-109.56	461.75	-5.70	-5.98
4.63E+08	-109.64	-109.67	-108.91	462.50		

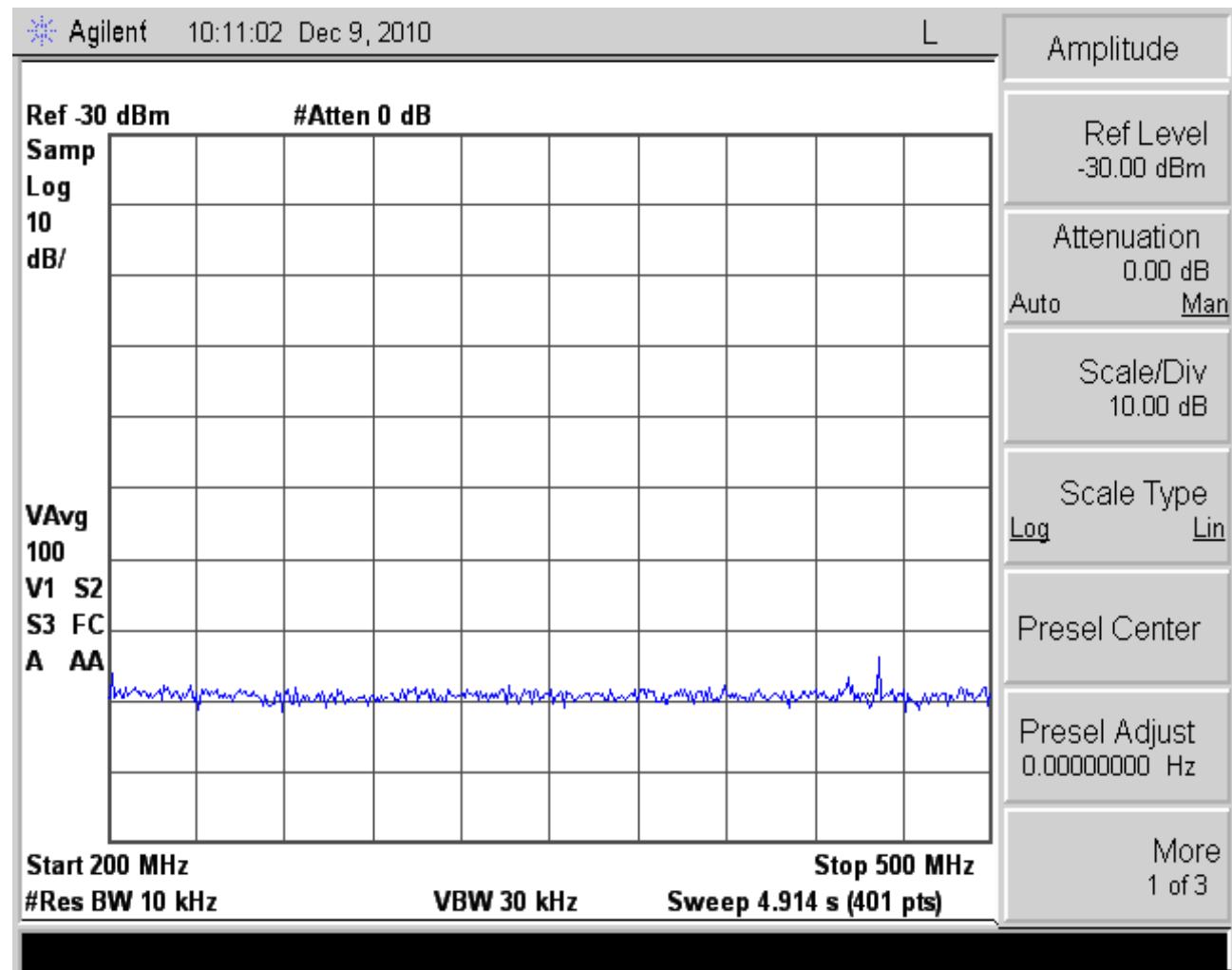
200-500 MHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

					Comparison	
					20-Dec	28-Dec
					minus the Ambient scan	
					dBm	dBm
					3.00	3.00
Frequency (Hz)	Ambient Scan No power line on the ground 9-Dec-10 Trace1 (dBm)	575' length of power cord on the ground connecting shed 20-Dec-10 Trace1 (dBm)	575' length of power cord on the ground receivers connected 28-Dec-10 Trace1 (dBm)	Freq KHz Enter Limit >		
4.63E+08	-109.45	-109.13	-109.39	463.25		
4.64E+08	-108.98	-109.01	-108.45	464.00		
4.65E+08	-109.02	-110.59	-108.54	464.75		
4.66E+08	-108.94	-109.59	-108.16	465.50		
4.66E+08	-108.39	-111.11	-108.48	466.25		
4.67E+08	-109.45	-109.33	-108.72	467.00		
4.68E+08	-109.94	-108.68	-107.81	467.75		
4.69E+08	-108.92	-109.67	-108.30	468.50		
4.69E+08	-109.16	-109.84	-108.02	469.25		
4.70E+08	-108.30	-109.70	-109.14	470.00		
4.71E+08	-111.33	-111.59	-108.17	470.75		3.16
4.72E+08	-108.86	-111.23	-109.01	471.50		
4.72E+08	-109.80	-111.13	-109.00	472.25		
4.73E+08	-109.84	-108.49	-109.22	473.00		
4.74E+08	-110.35	-111.63	-109.25	473.75		
4.75E+08	-109.97	-112.89	-108.03	474.50		
4.75E+08	-111.25	-108.98	-109.00	475.25		
4.76E+08	-110.00	-111.09	-108.84	476.00		
4.77E+08	-109.84	-110.02	-108.61	476.75		
4.78E+08	-108.71	-113.93	-108.68	477.50	-5.22	
4.78E+08	-110.38	-109.47	-108.60	478.25		
4.79E+08	-109.83	-109.69	-109.11	479.00		
4.80E+08	-108.97	-108.04	-109.04	479.75		
4.81E+08	-109.05	-109.46	-108.15	480.50		
4.81E+08	-108.96	-111.60	-108.40	481.25		
4.82E+08	-109.60	-108.14	-109.79	482.00		
4.83E+08	-109.23	-108.28	-108.49	482.75		

200-500 MHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power	575' length of power	Comparison	
No power line		cord on the ground	cord on the ground	20-Dec	28-Dec
on the ground		connecting shed	receivers connected	minus the Ambient scan	
9-Dec-10		20-Dec-10	28-Dec-10	Freq KHz	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	
					dBm
					dBm
					3.00
					3.00
4.84E+08	-108.92	-108.85	-109.09	483.50	
4.84E+08	-108.72	-109.63	-108.54	484.25	
4.85E+08	-110.60	-108.82	-109.13	485.00	
4.86E+08	-109.21	-112.65	-108.94	485.75	-3.45
4.87E+08	-109.28	-108.82	-108.39	486.50	
4.87E+08	-110.09	-110.47	-109.63	487.25	
4.88E+08	-109.55	-112.26	-108.85	488.00	
4.89E+08	-108.54	-108.28	-108.07	488.75	
4.90E+08	-107.90	-110.76	-108.17	489.50	
4.90E+08	-108.20	-108.19	-108.20	490.25	
4.91E+08	-109.66	-108.86	-108.70	491.00	
4.92E+08	-108.26	-108.10	-109.13	491.75	
4.93E+08	-109.19	-109.63	-108.61	492.50	
4.93E+08	-108.94	-110.14	-108.24	493.25	
4.94E+08	-109.96	-109.71	-109.18	494.00	
4.95E+08	-109.33	-108.85	-107.69	494.75	
4.96E+08	-109.14	-113.43	-109.06	495.50	-4.29
4.96E+08	-109.28	-111.11	-108.10	496.25	
4.97E+08	-108.33	-110.70	-108.61	497.00	
4.98E+08	-107.86	-109.44	-109.19	497.75	
4.99E+08	-110.56	-109.57	-108.70	498.50	
4.99E+08	-108.76	-108.71	-108.06	499.25	
5.00E+08	-109.09	-106.81	-108.69	500.00	
					-92.24
					7.17
					Sum
					-85.07

Attenuation (dB)
 0.00E+00
 Center Frequency (Hz)
 3.50E+08
 Date/Time
 12/20/2010 12:45
 Instrument Model
 E4407B
 Instrument Serial Number
 MY45116875
 Reference Level (dBm)
 -3.00E+01
 Resolution BW (Hz)
 1.00E+04
 Scale Type
 LOG
 Span Frequency (Hz)
 3.00E+08
 Start Frequency (Hz)
 2.00E+08

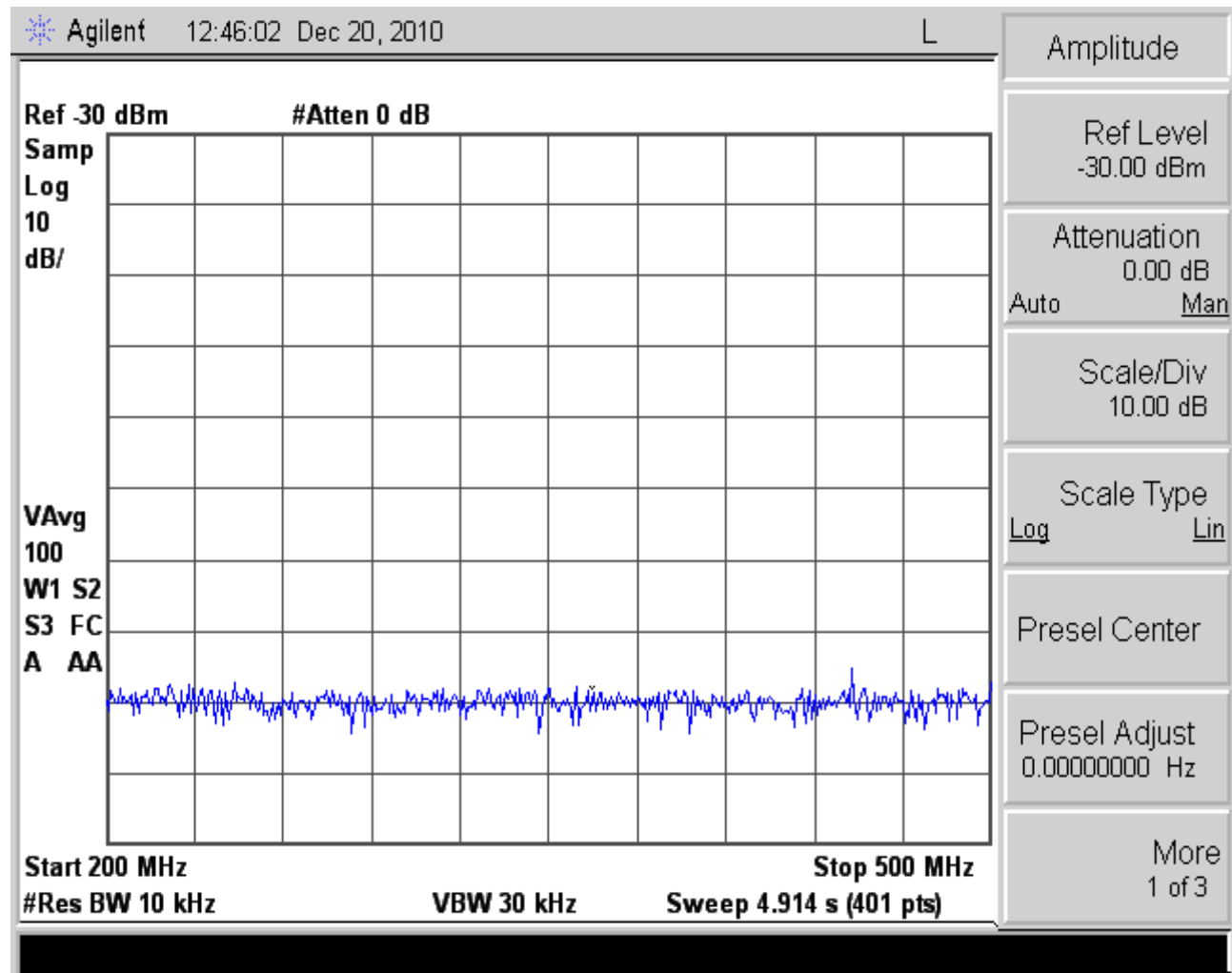


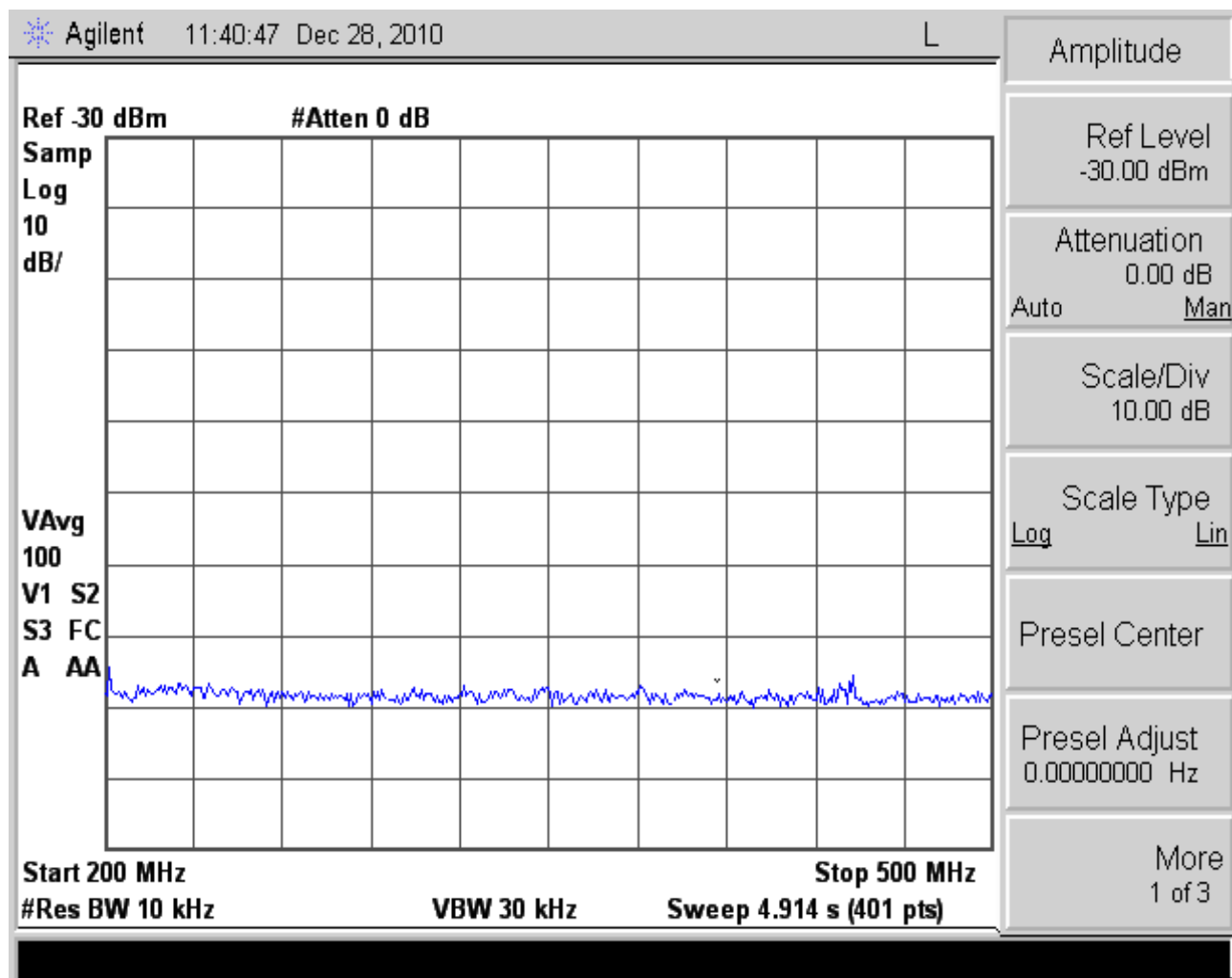
Stop Frequency (Hz)
5.00E+08

Sweep Number Of Points
401

Sweep Time (seconds)
4.91E+00

Video BW (Hz)
3.00E+04





500 MHz- 1 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power	Comparison	
No power line		cord on the ground	20-Dec	
on the ground		connecting shed	minus the Ambient scan	
9-Dec-10		20-Dec-10	Freq MHz	dBm
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	
5.00E+08	-116.45	-116.65	500.00	
5.01E+08	-119.25	-120.18	501.25	
5.03E+08	-116.18	-120.09	502.50	-3.92
5.04E+08	-112.80	-117.79	503.75	-4.98
5.05E+08	-113.96	-120.73	505.00	-6.76
5.06E+08	-117.18	-122.52	506.25	-5.35
5.08E+08	-128.06	-123.86	507.50	4.20
5.09E+08	-131.35	-124.28	508.75	7.07
5.10E+08	-123.95	-126.01	510.00	
5.11E+08	-117.31	-122.02	511.25	-4.71
5.13E+08	-127.26	-125.82	512.50	
5.14E+08	-127.62	-127.00	513.75	
5.15E+08	-127.17	-126.07	515.00	
5.16E+08	-126.75	-127.29	516.25	
5.18E+08	-126.42	-127.56	517.50	
5.19E+08	-130.61	-126.90	518.75	3.70
5.20E+08	-129.32	-125.07	520.00	4.25
5.21E+08	-134.49	-123.91	521.25	10.58
5.23E+08	-132.65	-123.46	522.50	9.19
5.24E+08	-121.44	-117.64	523.75	3.80
5.25E+08	-118.60	-119.75	525.00	
5.26E+08	-121.56	-118.67	526.25	
5.28E+08	-117.07	-120.09	527.50	-3.02
5.29E+08	-117.64	-120.29	528.75	
5.30E+08	-126.06	-126.37	530.00	
5.31E+08	-128.05	-128.56	531.25	
5.33E+08	-127.54	-128.26	532.50	

500 MHz- 1 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power		Comparison	
No power line		cord on the ground		20-Dec	
on the ground		connecting shed		minus the Ambient scan	
9-Dec-10		20-Dec-10	Freq MHz	dBm	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >		3.00
5.34E+08	-125.64	-127.36	533.75		
5.35E+08	-127.40	-128.51	535.00		
5.36E+08	-116.26	-120.03	536.25		-3.77
5.38E+08	-117.28	-118.47	537.50		
5.39E+08	-119.16	-114.88	538.75		4.28
5.40E+08	-119.64	-117.01	540.00		
5.41E+08	-131.34	-124.22	541.25		7.12
5.43E+08	-132.61	-124.77	542.50		7.84
5.44E+08	-128.47	-123.30	543.75		5.17
5.45E+08	-131.34	-123.43	545.00		7.90
5.46E+08	-127.99	-124.37	546.25		3.62
5.48E+08	-127.22	-124.93	547.50		
5.49E+08	-126.08	-124.66	548.75		
5.50E+08	-128.89	-125.51	550.00		3.38
5.51E+08	-127.33	-126.13	551.25		
5.53E+08	-127.02	-130.02	552.50		-3.01
5.54E+08	-135.08	-128.32	553.75		6.76
5.55E+08	-129.92	-128.59	555.00		
5.56E+08	-132.72	-127.02	556.25		5.70
5.58E+08	-133.57	-125.38	557.50		8.19
5.59E+08	-131.53	-125.40	558.75		6.13
5.60E+08	-134.19	-124.07	560.00		10.12
5.61E+08	-135.84	-124.86	561.25		10.98
5.63E+08	-130.21	-124.94	562.50		5.27
5.64E+08	-127.49	-123.93	563.75		3.56
5.65E+08	-124.96	-124.04	565.00		
5.66E+08	-117.28	-119.92	566.25		

500 MHz- 1 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power		Comparison	
No power line		cord on the ground		20-Dec	
on the ground		connecting shed		minus the Ambient scan	
9-Dec-10		20-Dec-10	Freq MHz	dBm	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >		3.00
5.68E+08	-121.32	-116.78	567.50		4.54
5.69E+08	-119.64	-120.14	568.75		
5.70E+08	-115.39	-120.67	570.00		-5.28
5.71E+08	-127.16	-123.24	571.25		3.92
5.73E+08	-128.82	-127.68	572.50		
5.74E+08	-131.20	-128.09	573.75		3.11
5.75E+08	-130.33	-126.33	575.00		4.00
5.76E+08	-129.84	-126.53	576.25		3.31
5.78E+08	-130.66	-124.36	577.50		6.30
5.79E+08	-125.78	-121.06	578.75		4.73
5.80E+08	-121.39	-119.92	580.00		
5.81E+08	-121.69	-120.52	581.25		
5.83E+08	-122.30	-118.34	582.50		3.96
5.84E+08	-126.64	-123.13	583.75		3.51
5.85E+08	-128.90	-124.86	585.00		4.04
5.86E+08	-125.85	-126.84	586.25		
5.88E+08	-126.86	-127.66	587.50		
5.89E+08	-128.18	-129.53	588.75		
5.90E+08	-130.49	-129.60	590.00		
5.91E+08	-138.07	-127.80	591.25		10.28
5.93E+08	-134.24	-127.71	592.50		6.52
5.94E+08	-126.43	-127.30	593.75		
5.95E+08	-131.10	-126.12	595.00		4.99
5.96E+08	-132.48	-126.70	596.25		5.78
5.98E+08	-129.99	-124.41	597.50		5.58
5.99E+08	-126.70	-126.03	598.75		
6.00E+08	-126.14	-123.42	600.00		

500 MHz- 1 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power		Comparison	
No power line		cord on the ground		20-Dec	
on the ground		connecting shed		minus the Ambient scan	
9-Dec-10		20-Dec-10	Freq MHz	dBm	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >		3.00
6.01E+08	-128.58	-124.17	601.25		4.41
6.03E+08	-119.65	-118.59	602.50		
6.04E+08	-120.96	-118.32	603.75		
6.05E+08	-129.67	-122.03	605.00		7.64
6.06E+08	-121.05	-121.71	606.25		
6.08E+08	-131.37	-126.53	607.50		4.85
6.09E+08	-130.06	-128.52	608.75		
6.10E+08	-134.63	-127.04	610.00		7.59
6.11E+08	-131.15	-127.58	611.25		3.57
6.13E+08	-133.16	-125.28	612.50		7.88
6.14E+08	-130.52	-125.56	613.75		4.96
6.15E+08	-129.65	-125.44	615.00		4.21
6.16E+08	-126.24	-124.42	616.25		
6.18E+08	-127.34	-124.88	617.50		
6.19E+08	-131.52	-123.37	618.75		8.15
6.20E+08	-128.32	-126.01	620.00		
6.21E+08	-128.53	-124.49	621.25		4.04
6.23E+08	-128.32	-127.96	622.50		
6.24E+08	-126.75	-125.91	623.75		
6.25E+08	-130.34	-126.90	625.00		3.44
6.26E+08	-130.59	-126.20	626.25		4.39
6.28E+08	-129.37	-126.74	627.50		
6.29E+08	-116.23	-119.79	628.75		-3.55
6.30E+08	-130.01	-124.40	630.00		5.61
6.31E+08	-126.77	-126.53	631.25		
6.33E+08	-128.36	-125.54	632.50		
6.34E+08	-127.60	-124.34	633.75		3.26

500 MHz- 1 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power		Comparison	
No power line		cord on the ground		20-Dec	
on the ground		connecting shed		minus the Ambient scan	
9-Dec-10		20-Dec-10	Freq MHz	dBm	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >		3.00
6.35E+08	-130.66	-124.14	635.00		6.52
6.36E+08	-127.07	-124.90	636.25		
6.38E+08	-127.55	-124.86	637.50		
6.39E+08	-126.63	-123.78	638.75		
6.40E+08	-129.10	-124.39	640.00		4.71
6.41E+08	-125.84	-126.03	641.25		
6.43E+08	-130.46	-127.18	642.50		3.28
6.44E+08	-133.48	-126.05	643.75		7.42
6.45E+08	-134.23	-127.05	645.00		7.18
6.46E+08	-129.90	-127.42	646.25		
6.48E+08	-132.85	-127.39	647.50		5.46
6.49E+08	-124.97	-128.08	648.75		-3.12
6.50E+08	-121.77	-119.90	650.00		
6.51E+08	-121.28	-116.10	651.25		5.18
6.53E+08	-121.25	-115.65	652.50		5.59
6.54E+08	-119.76	-115.45	653.75		4.31
6.55E+08	-123.78	-115.94	655.00		7.84
6.56E+08	-125.08	-122.46	656.25		
6.58E+08	-128.24	-125.57	657.50		
6.59E+08	-128.49	-124.18	658.75		4.31
6.60E+08	-127.65	-126.10	660.00		
6.61E+08	-129.68	-123.81	661.25		5.87
6.63E+08	-119.60	-123.23	662.50		-3.62
6.64E+08	-126.53	-123.24	663.75		3.28
6.65E+08	-122.40	-122.68	665.00		
6.66E+08	-124.38	-118.33	666.25		6.06
6.68E+08	-133.70	-126.43	667.50		7.27

500 MHz- 1 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power		Comparison	
No power line		cord on the ground		20-Dec	
on the ground		connecting shed		minus the Ambient scan	
9-Dec-10		20-Dec-10	Freq MHz	dBm	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >		3.00
6.69E+08	-127.45	-125.84	668.75		
6.70E+08	-125.25	-126.34	670.00		
6.71E+08	-127.46	-125.64	671.25		
6.73E+08	-126.99	-126.02	672.50		
6.74E+08	-129.04	-123.28	673.75		5.76
6.75E+08	-125.49	-125.21	675.00		
6.76E+08	-127.33	-124.56	676.25		
6.78E+08	-130.46	-125.34	677.50		5.12
6.79E+08	-131.34	-124.04	678.75		7.30
6.80E+08	-131.41	-127.59	680.00		3.81
6.81E+08	-130.02	-125.47	681.25		4.55
6.83E+08	-133.70	-127.43	682.50		6.27
6.84E+08	-128.65	-126.42	683.75		
6.85E+08	-133.72	-127.58	685.00		6.14
6.86E+08	-126.51	-126.44	686.25		
6.88E+08	-129.46	-125.70	687.50		3.76
6.89E+08	-127.18	-124.77	688.75		
6.90E+08	-128.37	-126.09	690.00		
6.91E+08	-125.06	-125.70	691.25		
6.93E+08	-127.59	-124.36	692.50		3.23
6.94E+08	-129.23	-124.29	693.75		4.94
6.95E+08	-135.50	-124.65	695.00		10.85
6.96E+08	-131.71	-126.09	696.25		5.62
6.98E+08	-131.51	-124.20	697.50		7.31
6.99E+08	-130.61	-126.87	698.75		3.74
7.00E+08	-135.22	-125.90	700.00		9.32
7.01E+08	-129.02	-127.14	701.25		

500 MHz- 1 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power		Comparison	
No power line		cord on the ground		20-Dec	
on the ground		connecting shed		minus the Ambient scan	
9-Dec-10		20-Dec-10	Freq MHz	dBm	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >		3.00
7.03E+08	-129.92	-125.53	702.50		4.40
7.04E+08	-128.66	-127.82	703.75		
7.05E+08	-130.60	-126.70	705.00		3.90
7.06E+08	-127.57	-126.68	706.25		
7.08E+08	-126.18	-124.25	707.50		
7.09E+08	-128.18	-124.06	708.75		4.12
7.10E+08	-128.10	-125.23	710.00		
7.11E+08	-128.93	-124.56	711.25		4.37
7.13E+08	-131.34	-123.82	712.50		7.51
7.14E+08	-130.75	-123.84	713.75		6.91
7.15E+08	-130.55	-125.10	715.00		5.46
7.16E+08	-130.82	-124.00	716.25		6.82
7.18E+08	-133.50	-124.55	717.50		8.95
7.19E+08	-130.73	-125.57	718.75		5.16
7.20E+08	-127.09	-126.17	720.00		
7.21E+08	-128.36	-128.52	721.25		
7.23E+08	-129.14	-126.36	722.50		
7.24E+08	-127.77	-125.76	723.75		
7.25E+08	-128.81	-125.70	725.00		3.11
7.26E+08	-129.99	-125.92	726.25		4.08
7.28E+08	-124.19	-125.52	727.50		
7.29E+08	-129.75	-126.12	728.75		3.63
7.30E+08	-129.93	-125.77	730.00		4.16
7.31E+08	-131.00	-126.32	731.25		4.68
7.33E+08	-130.17	-123.79	732.50		6.38
7.34E+08	-130.46	-124.45	733.75		6.01
7.35E+08	-130.19	-125.53	735.00		4.66

500 MHz- 1 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power		Comparison	
No power line		cord on the ground		20-Dec	
on the ground		connecting shed		minus the Ambient scan	
9-Dec-10		20-Dec-10	Freq MHz	dBm	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >		3.00
7.36E+08	-133.97	-126.31	736.25		7.66
7.38E+08	-133.40	-126.13	737.50		7.27
7.39E+08	-127.61	-126.40	738.75		
7.40E+08	-130.59	-127.47	740.00		3.12
7.41E+08	-129.26	-126.28	741.25		
7.43E+08	-129.18	-126.12	742.50		3.06
7.44E+08	-134.66	-124.60	743.75		10.06
7.45E+08	-130.97	-125.79	745.00		5.18
7.46E+08	-129.52	-125.64	746.25		3.88
7.48E+08	-127.54	-124.68	747.50		
7.49E+08	-129.09	-124.85	748.75		4.24
7.50E+08	-133.20	-124.96	750.00		8.24
7.51E+08	-127.69	-124.73	751.25		
7.53E+08	-135.43	-125.27	752.50		10.17
7.54E+08	-130.19	-124.93	753.75		5.26
7.55E+08	-133.36	-128.15	755.00		5.22
7.56E+08	-125.20	-119.78	756.25		5.42
7.58E+08	-125.95	-124.93	757.50		
7.59E+08	-129.96	-126.52	758.75		3.44
7.60E+08	-128.79	-125.67	760.00		3.12
7.61E+08	-129.96	-126.81	761.25		3.14
7.63E+08	-128.85	-126.37	762.50		
7.64E+08	-127.38	-124.46	763.75		
7.65E+08	-129.90	-124.44	765.00		5.46
7.66E+08	-134.13	-125.71	766.25		8.42
7.68E+08	-131.65	-124.03	767.50		7.63
7.69E+08	-128.86	-124.88	768.75		3.99

500 MHz- 1 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power		Comparison	
No power line		cord on the ground		20-Dec	
on the ground		connecting shed		minus the Ambient scan	
9-Dec-10		20-Dec-10	Freq MHz	dBm	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >		3.00
7.70E+08	-130.41	-124.02	770.00		6.39
7.71E+08	-128.19	-125.95	771.25		
7.73E+08	-129.23	-126.96	772.50		
7.74E+08	-128.53	-125.76	773.75		
7.75E+08	-125.79	-126.34	775.00		
7.76E+08	-127.80	-128.00	776.25		
7.78E+08	-128.35	-126.16	777.50		
7.79E+08	-126.92	-125.49	778.75		
7.80E+08	-128.00	-126.28	780.00		
7.81E+08	-126.35	-126.37	781.25		
7.83E+08	-128.97	-125.75	782.50		3.22
7.84E+08	-131.30	-124.91	783.75		6.39
7.85E+08	-132.73	-124.02	785.00		8.71
7.86E+08	-130.56	-125.79	786.25		4.77
7.88E+08	-129.52	-125.94	787.50		3.58
7.89E+08	-128.42	-124.44	788.75		3.98
7.90E+08	-131.73	-127.05	790.00		4.67
7.91E+08	-128.78	-124.29	791.25		4.49
7.93E+08	-129.90	-125.54	792.50		4.36
7.94E+08	-126.61	-125.87	793.75		
7.95E+08	-128.88	-127.12	795.00		
7.96E+08	-125.07	-125.82	796.25		
7.98E+08	-128.23	-124.92	797.50		3.31
7.99E+08	-128.57	-126.36	798.75		
8.00E+08	-126.40	-125.70	800.00		
8.01E+08	-128.49	-126.15	801.25		
8.03E+08	-129.47	-124.52	802.50		4.95

500 MHz- 1 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power		Comparison	
No power line		cord on the ground		20-Dec	
on the ground		connecting shed		minus the Ambient scan	
9-Dec-10		20-Dec-10		dBm	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >		3.00
8.04E+08	-129.32	-126.01	803.75		3.31
8.05E+08	-133.80	-119.74	805.00		14.06
8.06E+08	-132.66	-126.78	806.25		5.89
8.08E+08	-131.44	-123.43	807.50		8.01
8.09E+08	-132.62	-126.27	808.75		6.35
8.10E+08	-127.65	-125.66	810.00		
8.11E+08	-131.14	-126.35	811.25		4.78
8.13E+08	-132.25	-126.43	812.50		5.82
8.14E+08	-127.84	-125.45	813.75		
8.15E+08	-124.88	-125.39	815.00		
8.16E+08	-128.14	-124.94	816.25		3.20
8.18E+08	-130.46	-127.70	817.50		
8.19E+08	-129.88	-125.99	818.75		3.89
8.20E+08	-128.37	-124.60	820.00		3.77
8.21E+08	-131.43	-124.67	821.25		6.76
8.23E+08	-131.11	-126.26	822.50		4.85
8.24E+08	-130.92	-125.78	823.75		5.14
8.25E+08	-133.11	-125.04	825.00		8.07
8.26E+08	-132.53	-125.04	826.25		7.49
8.28E+08	-129.23	-124.83	827.50		4.40
8.29E+08	-127.54	-125.17	828.75		
8.30E+08	-128.05	-124.04	830.00		4.01
8.31E+08	-126.85	-125.64	831.25		
8.33E+08	-127.20	-124.74	832.50		
8.34E+08	-127.28	-125.33	833.75		
8.35E+08	-127.90	-124.11	835.00		3.79
8.36E+08	-131.55	-126.03	836.25		5.52

500 MHz- 1 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power		Comparison	
No power line		cord on the ground		20-Dec	
on the ground		connecting shed		minus the Ambient scan	
9-Dec-10		20-Dec-10		dBm	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >		3.00
8.38E+08	-129.98	-125.26	837.50		4.72
8.39E+08	-131.05	-125.78	838.75		5.27
8.40E+08	-122.05	-127.47	840.00		-5.42
8.41E+08	-128.46	-122.00	841.25		6.46
8.43E+08	-128.88	-124.21	842.50		4.67
8.44E+08	-132.54	-125.73	843.75		6.81
8.45E+08	-131.95	-125.05	845.00		6.90
8.46E+08	-128.00	-126.10	846.25		
8.48E+08	-129.19	-124.12	847.50		5.07
8.49E+08	-130.03	-125.00	848.75		5.03
8.50E+08	-131.00	-126.91	850.00		4.08
8.51E+08	-118.10	-122.65	851.25		-4.55
8.53E+08	-127.65	-125.71	852.50		
8.54E+08	-125.44	-124.22	853.75		
8.55E+08	-126.63	-122.88	855.00		3.75
8.56E+08	-59.72	-59.24	856.25		
8.58E+08	-122.89	-120.78	857.50		
8.59E+08	-126.97	-125.42	858.75		
8.60E+08	-129.21	-124.50	860.00		4.71
8.61E+08	-90.93	-88.81	861.25		
8.63E+08	-127.50	-123.97	862.50		3.53
8.64E+08	-128.42	-125.91	863.75		
8.65E+08	-131.98	-124.68	865.00		7.29
8.66E+08	-130.30	-124.23	866.25		6.07
8.68E+08	-128.38	-125.35	867.50		3.03
8.69E+08	-134.38	-124.88	868.75		9.50
8.70E+08	-126.02	-125.40	870.00		

500 MHz- 1 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power		Comparison	
No power line		cord on the ground		20-Dec	
on the ground		connecting shed		minus the Ambient scan	
9-Dec-10		20-Dec-10	Freq MHz	dBm	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >		3.00
8.71E+08	-128.43	-126.10	871.25		
8.73E+08	-130.07	-127.25	872.50		
8.74E+08	-127.56	-124.85	873.75		
8.75E+08	-87.72	-95.86	875.00		-8.13
8.76E+08	-129.54	-127.73	876.25		
8.78E+08	-88.59	-87.49	877.50		
8.79E+08	-128.98	-125.21	878.75		3.77
8.80E+08	-125.38	-123.17	880.00		
8.81E+08	-88.39	-89.62	881.25		
8.83E+08	-90.31	-90.02	882.50		
8.84E+08	-92.39	-92.82	883.75		
8.85E+08	-93.83	-92.76	885.00		
8.86E+08	-82.86	-82.94	886.25		
8.88E+08	-84.03	-82.58	887.50		
8.89E+08	-81.69	-84.60	888.75		
8.90E+08	-114.55	-104.64	890.00		9.92
8.91E+08	-131.20	-125.30	891.25		5.90
8.93E+08	-80.46	-85.90	892.50		-5.44
8.94E+08	-134.67	-127.39	893.75		7.28
8.95E+08	-127.11	-126.14	895.00		
8.96E+08	-128.05	-124.89	896.25		3.16
8.98E+08	-133.67	-125.17	897.50		8.50
8.99E+08	-127.23	-126.29	898.75		
9.00E+08	-129.30	-124.37	900.00		4.93
9.01E+08	-134.37	-125.58	901.25		8.79
9.03E+08	-130.77	-124.08	902.50		6.69
9.04E+08	-119.35	-121.11	903.75		

500 MHz- 1 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power		Comparison	
No power line		cord on the ground		20-Dec	
on the ground		connecting shed		minus the Ambient scan	
9-Dec-10		20-Dec-10	Freq MHz	dBm	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >		3.00
9.05E+08	-127.87	-125.43	905.00		
9.06E+08	-130.43	-124.65	906.25		5.77
9.08E+08	-129.78	-126.93	907.50		
9.09E+08	-129.52	-126.83	908.75		
9.10E+08	-126.58	-125.71	910.00		
9.11E+08	-126.51	-126.75	911.25		
9.13E+08	-129.43	-125.03	912.50		4.40
9.14E+08	-125.83	-125.43	913.75		
9.15E+08	-127.11	-121.33	915.00		5.78
9.16E+08	-131.22	-123.17	916.25		8.05
9.18E+08	-129.81	-124.95	917.50		4.87
9.19E+08	-132.10	-124.35	918.75		7.75
9.20E+08	-132.07	-123.77	920.00		8.30
9.21E+08	-126.42	-124.67	921.25		
9.23E+08	-126.62	-124.19	922.50		
9.24E+08	-127.22	-124.54	923.75		
9.25E+08	-131.07	-124.83	925.00		6.24
9.26E+08	-128.45	-127.31	926.25		
9.28E+08	-129.54	-124.31	927.50		5.23
9.29E+08	-126.54	-120.85	928.75		5.69
9.30E+08	-130.24	-124.28	930.00		5.95
9.31E+08	-119.79	-118.60	931.25		
9.33E+08	-127.15	-126.30	932.50		
9.34E+08	-128.50	-125.03	933.75		3.47
9.35E+08	-133.07	-126.26	935.00		6.82
9.36E+08	-130.46	-124.97	936.25		5.49
9.38E+08	-129.55	-126.01	937.50		3.54

500 MHz- 1 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power		Comparison	
No power line		cord on the ground		20-Dec	
on the ground		connecting shed		minus the Ambient scan	
9-Dec-10		20-Dec-10	Freq MHz	dBm	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >		3.00
9.39E+08	-130.66	-123.77	938.75		6.89
9.40E+08	-126.60	-125.74	940.00		
9.41E+08	-129.64	-126.11	941.25		3.53
9.43E+08	-126.98	-125.59	942.50		
9.44E+08	-131.69	-125.58	943.75		6.11
9.45E+08	-127.36	-124.97	945.00		
9.46E+08	-127.93	-126.53	946.25		
9.48E+08	-128.04	-125.91	947.50		
9.49E+08	-130.15	-125.75	948.75		4.40
9.50E+08	-130.46	-126.80	950.00		3.66
9.51E+08	-128.14	-125.43	951.25		
9.53E+08	-129.81	-125.86	952.50		3.95
9.54E+08	-131.20	-124.90	953.75		6.30
9.55E+08	-128.84	-125.57	955.00		3.27
9.56E+08	-130.28	-125.62	956.25		4.66
9.58E+08	-127.99	-125.85	957.50		
9.59E+08	-129.07	-124.48	958.75		4.59
9.60E+08	-131.38	-125.82	960.00		5.57
9.61E+08	-131.83	-124.99	961.25		6.84
9.63E+08	-126.46	-126.17	962.50		
9.64E+08	-134.53	-125.58	963.75		8.94
9.65E+08	-132.31	-126.31	965.00		6.00
9.66E+08	-128.35	-127.15	966.25		
9.68E+08	-127.72	-125.76	967.50		
9.69E+08	-131.29	-125.37	968.75		5.91
9.70E+08	-132.14	-123.80	970.00		8.34
9.71E+08	-129.80	-124.61	971.25		5.19

500 MHz- 1 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power		Comparison	
No power line		cord on the ground		20-Dec	
on the ground		connecting shed		minus the Ambient scan	
9-Dec-10		20-Dec-10		dBm	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >		
9.73E+08	-129.96	-125.89	972.50		3.00
9.74E+08	-126.94	-124.86	973.75		4.06
9.75E+08	-128.88	-125.63	975.00		3.25
9.76E+08	-127.74	-125.34	976.25		
9.78E+08	-125.78	-125.74	977.50		
9.79E+08	-124.34	-127.10	978.75		
9.80E+08	-128.82	-125.57	980.00		3.26
9.81E+08	-123.08	-122.49	981.25		
9.83E+08	-129.48	-126.45	982.50		3.03
9.84E+08	-129.08	-124.26	983.75		4.82
9.85E+08	-129.60	-125.85	985.00		3.75
9.86E+08	-132.05	-125.32	986.25		6.73
9.88E+08	-130.09	-124.76	987.50		5.33
9.89E+08	-131.32	-125.11	988.75		6.21
9.90E+08	-130.52	-126.40	990.00		4.12
9.91E+08	-128.20	-125.44	991.25		
9.93E+08	-125.01	-124.60	992.50		
9.94E+08	-127.64	-123.46	993.75		4.18
9.95E+08	-130.57	-123.71	995.00		6.87
9.96E+08	-128.40	-125.89	996.25		
9.98E+08	-130.03	-125.07	997.50		4.96
9.99E+08	-126.85	-124.07	998.75		
1.00E+09	-128.50	-126.15	1000.00		
			Sum of column		1148.86

Attenuation (dB)
 0.00E+00

 Center Frequency (Hz)
 7.50E+08

 Date/Time
 12/20/2010 13:53

 Instrument Model
 E4407B

 Instrument Serial Number
 MY45116875

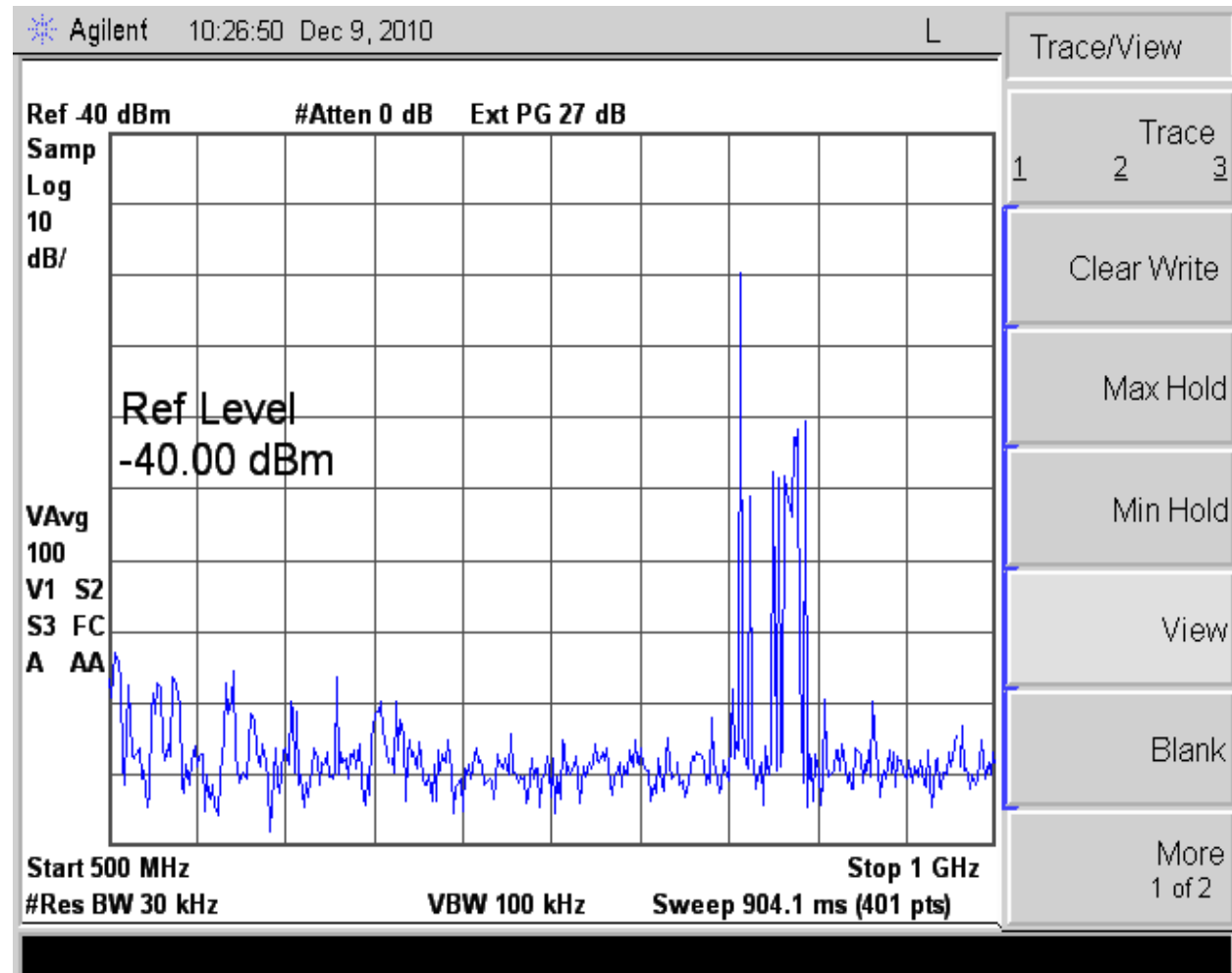
 Reference Level (dBm)
 -4.00E+01

 Resolution BW (Hz)
 3.00E+04

 Scale Type
 LOG

 Span Frequency (Hz)
 5.00E+08

 Start Frequency (Hz)
 5.00E+08

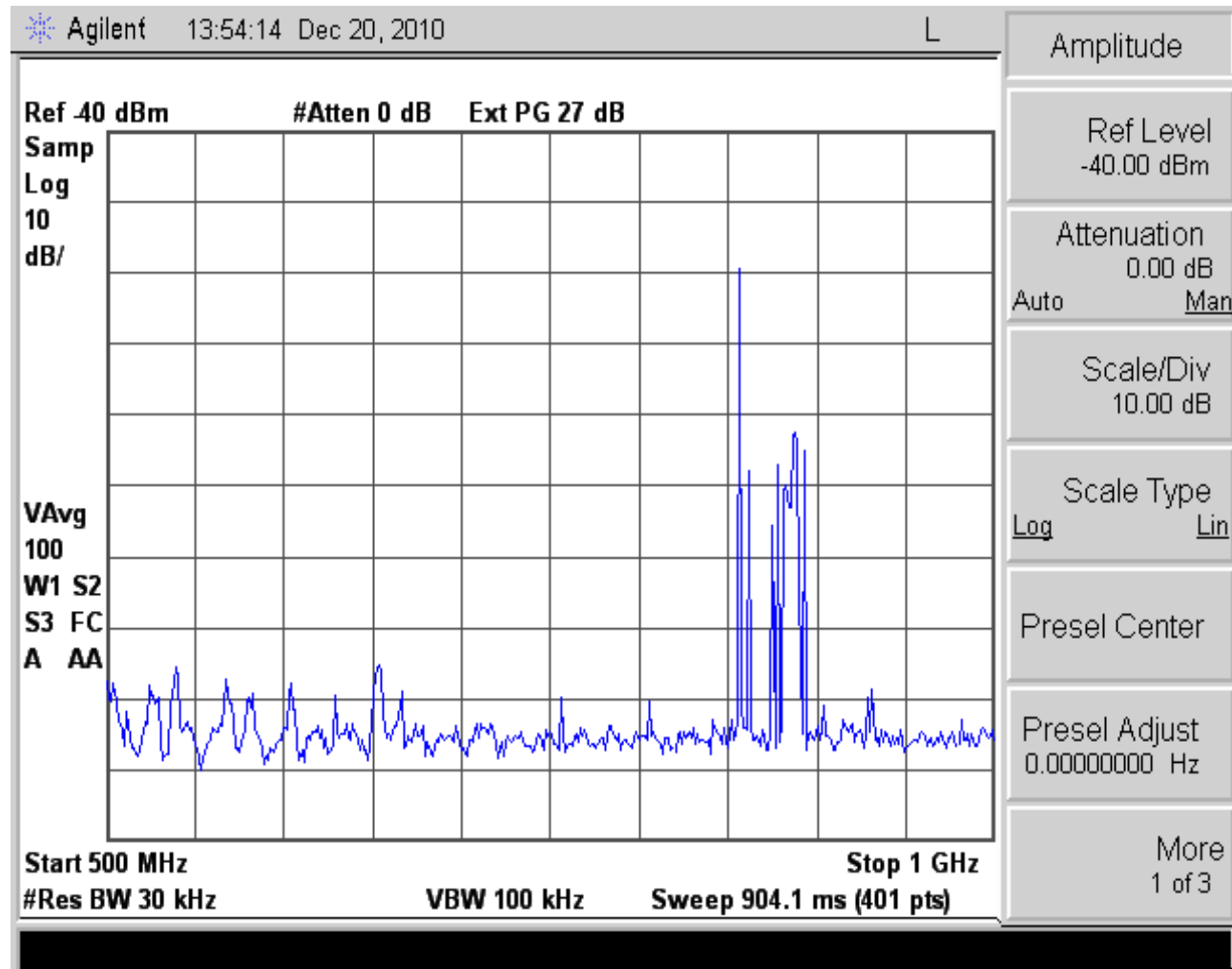


Stop Frequency (Hz)
1.00E+09

Sweep Number Of Points
401

Sweep Time (seconds)
9.04E-01

Video BW (Hz)
1.00E+05



1-2 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power		Comparison
No power line		cord on the ground		20-Dec
on the ground		connecting shed		minus the Ambient scan
9-Dec-10		20-Dec-10	Freq MHz	dBm
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	3.00
1.00E+09	-119.01	-118.81	1.00	
1.00E+09	-119.28	-118.95	1.00	
1.01E+09	-118.17	-118.09	1.01	
1.01E+09	-118.05	-119.34	1.01	
1.01E+09	-116.89	-118.88	1.01	
1.01E+09	-115.71	-115.92	1.01	
1.02E+09	-118.86	-118.47	1.02	
1.02E+09	-118.90	-117.93	1.02	
1.02E+09	-118.13	-119.25	1.02	
1.02E+09	-117.89	-120.13	1.02	
1.03E+09	-118.00	-119.49	1.03	
1.03E+09	-119.27	-118.40	1.03	
1.03E+09	-117.73	-119.25	1.03	
1.03E+09	-118.92	-119.73	1.03	
1.04E+09	-119.03	-118.29	1.04	
1.04E+09	-117.90	-118.80	1.04	
1.04E+09	-118.76	-117.65	1.04	
1.04E+09	-120.10	-119.13	1.04	
1.05E+09	-117.79	-118.32	1.05	
1.05E+09	-117.96	-118.61	1.05	
1.05E+09	-118.68	-117.78	1.05	
1.05E+09	-118.26	-118.38	1.05	
1.06E+09	-116.98	-118.62	1.06	
1.06E+09	-118.48	-118.86	1.06	
1.06E+09	-118.65	-118.37	1.06	
1.06E+09	-117.38	-118.94	1.06	
1.07E+09	-117.07	-118.08	1.07	

1-2 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

	Ambient Scan	575' length of power	Comparison
	No power line on the ground	cord on the ground connecting shed	20-Dec minus the Ambient scan
	9-Dec-10	20-Dec-10	Freq MHz
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >
			dBm
			3.00
1.07E+09	-120.19	-119.01	1.07
1.07E+09	-118.71	-118.50	1.07
1.07E+09	-118.69	-118.83	1.07
1.08E+09	-116.24	-118.33	1.08
1.08E+09	-117.75	-118.51	1.08
1.08E+09	-118.00	-118.35	1.08
1.08E+09	-117.98	-117.62	1.08
1.09E+09	-120.19	-119.49	1.09
1.09E+09	-118.07	-118.12	1.09
1.09E+09	-119.05	-118.95	1.09
1.09E+09	-118.60	-118.85	1.09
1.10E+09	-118.75	-119.38	1.10
1.10E+09	-119.77	-118.55	1.10
1.10E+09	-118.13	-118.90	1.10
1.10E+09	-118.63	-118.62	1.10
1.11E+09	-118.26	-119.46	1.11
1.11E+09	-118.46	-118.88	1.11
1.11E+09	-118.71	-120.54	1.11
1.11E+09	-120.02	-118.77	1.11
1.12E+09	-117.88	-118.40	1.12
1.12E+09	-118.86	-118.81	1.12
1.12E+09	-119.74	-118.10	1.12
1.12E+09	-119.33	-119.25	1.12
1.13E+09	-117.98	-118.18	1.13
1.13E+09	-118.60	-118.61	1.13
1.13E+09	-121.06	-119.11	1.13
1.13E+09	-118.89	-117.87	1.13

1-2 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

	Ambient Scan	575' length of power	Comparison
	No power line on the ground	cord on the ground connecting shed	20-Dec minus the Ambient scan
	9-Dec-10	20-Dec-10	Freq MHz
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >
			dBm
			3.00
1.14E+09	-119.12	-119.05	1.14
1.14E+09	-117.68	-118.39	1.14
1.14E+09	-119.95	-119.45	1.14
1.14E+09	-120.60	-118.48	1.14
1.15E+09	-120.06	-118.56	1.15
1.15E+09	-118.62	-119.35	1.15
1.15E+09	-119.22	-119.50	1.15
1.15E+09	-119.67	-118.60	1.15
1.16E+09	-120.25	-118.12	1.16
1.16E+09	-119.22	-119.36	1.16
1.16E+09	-117.26	-118.99	1.16
1.16E+09	-117.77	-118.19	1.16
1.17E+09	-117.17	-118.93	1.17
1.17E+09	-118.97	-119.23	1.17
1.17E+09	-120.25	-118.38	1.17
1.17E+09	-119.03	-118.77	1.17
1.18E+09	-119.39	-117.92	1.18
1.18E+09	-119.16	-118.29	1.18
1.18E+09	-120.65	-118.90	1.18
1.18E+09	-117.47	-118.36	1.18
1.19E+09	-120.58	-117.85	1.19
1.19E+09	-117.92	-117.73	1.19
1.19E+09	-119.50	-119.48	1.19
1.19E+09	-118.51	-118.28	1.19
1.20E+09	-119.10	-118.95	1.20
1.20E+09	-118.68	-118.48	1.20
1.20E+09	-117.90	-119.13	1.20

1-2 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power		Comparison
No power line		cord on the ground		20-Dec
on the ground		connecting shed		minus the Ambient scan
9-Dec-10	20-Dec-10	Freq MHz	dBm	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	3.00
1.20E+09	-120.00	-118.15	1.20	
1.21E+09	-120.35	-119.40	1.21	
1.21E+09	-120.55	-118.57	1.21	
1.21E+09	-118.16	-118.82	1.21	
1.21E+09	-120.32	-119.64	1.21	
1.22E+09	-118.82	-118.98	1.22	
1.22E+09	-117.43	-118.76	1.22	
1.22E+09	-118.15	-118.82	1.22	
1.22E+09	-117.81	-118.19	1.22	
1.23E+09	-118.83	-117.81	1.23	
1.23E+09	-118.07	-119.12	1.23	
1.23E+09	-119.62	-118.81	1.23	
1.23E+09	-118.14	-118.44	1.23	
1.24E+09	-116.13	-118.83	1.24	
1.24E+09	-117.97	-118.11	1.24	
1.24E+09	-118.69	-117.41	1.24	
1.24E+09	-118.99	-119.51	1.24	
1.25E+09	-117.45	-118.08	1.25	
1.25E+09	-117.75	-118.32	1.25	
1.25E+09	-117.14	-118.40	1.25	
1.25E+09	-117.26	-118.79	1.25	
1.26E+09	-117.54	-118.47	1.26	
1.26E+09	-119.49	-118.40	1.26	
1.26E+09	-120.22	-118.32	1.26	
1.26E+09	-118.28	-120.04	1.26	
1.27E+09	-118.92	-119.17	1.27	
1.27E+09	-118.73	-118.35	1.27	

1-2 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power		Comparison
No power line		cord on the ground		20-Dec
on the ground		connecting shed		minus the Ambient scan
9-Dec-10	20-Dec-10	Freq MHz	dBm	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	3.00
1.27E+09	-118.68	-118.03	1.27	
1.27E+09	-119.04	-118.39	1.27	
1.28E+09	-117.73	-118.38	1.28	
1.28E+09	-118.76	-119.05	1.28	
1.28E+09	-117.78	-119.12	1.28	
1.28E+09	-118.21	-118.77	1.28	
1.29E+09	-118.09	-119.62	1.29	
1.29E+09	-119.17	-118.25	1.29	
1.29E+09	-117.36	-119.24	1.29	
1.29E+09	-119.70	-119.23	1.29	
1.30E+09	-118.30	-117.77	1.30	
1.30E+09	-119.23	-118.35	1.30	
1.30E+09	-119.86	-118.65	1.30	
1.30E+09	-117.47	-119.37	1.30	
1.31E+09	-118.63	-118.11	1.31	
1.31E+09	-122.23	-119.40	1.31	
1.31E+09	-117.57	-118.45	1.31	
1.31E+09	-119.54	-118.18	1.31	
1.32E+09	-120.57	-117.94	1.32	
1.32E+09	-117.79	-118.44	1.32	
1.32E+09	-120.10	-119.90	1.32	
1.32E+09	-117.12	-119.02	1.32	
1.33E+09	-118.56	-118.42	1.33	
1.33E+09	-119.22	-118.67	1.33	
1.33E+09	-119.61	-118.05	1.33	
1.33E+09	-118.61	-118.26	1.33	
1.34E+09	-118.19	-118.35	1.34	

1-2 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

	Ambient Scan	575' length of power	Comparison
	No power line on the ground	cord on the ground connecting shed	20-Dec minus the Ambient scan
	9-Dec-10	20-Dec-10	Freq MHz
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >
			3.00
1.34E+09	-116.75	-117.97	1.34
1.34E+09	-118.81	-118.33	1.34
1.34E+09	-119.54	-118.06	1.34
1.35E+09	-116.40	-118.97	1.35
1.35E+09	-118.36	-119.16	1.35
1.35E+09	-120.50	-119.09	1.35
1.35E+09	-119.07	-119.18	1.35
1.36E+09	-118.49	-118.95	1.36
1.36E+09	-117.22	-118.30	1.36
1.36E+09	-117.99	-119.90	1.36
1.36E+09	-118.71	-119.48	1.36
1.37E+09	-120.04	-117.90	1.37
1.37E+09	-119.45	-118.78	1.37
1.37E+09	-117.24	-118.22	1.37
1.37E+09	-118.16	-117.88	1.37
1.38E+09	-119.65	-119.42	1.38
1.38E+09	-117.33	-119.16	1.38
1.38E+09	-118.26	-118.80	1.38
1.38E+09	-119.86	-118.10	1.38
1.39E+09	-118.07	-119.33	1.39
1.39E+09	-119.18	-117.34	1.39
1.39E+09	-119.01	-118.14	1.39
1.39E+09	-117.84	-119.42	1.39
1.40E+09	-118.24	-119.74	1.40
1.40E+09	-118.67	-118.93	1.40
1.40E+09	-119.75	-119.26	1.40
1.40E+09	-120.02	-119.36	1.40

1-2 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

	Ambient Scan	575' length of power	Comparison
	No power line on the ground	cord on the ground connecting shed	20-Dec minus the Ambient scan
	9-Dec-10	20-Dec-10	Freq MHz
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >
			dBm
			3.00
1.41E+09	-118.96	-117.92	1.41
1.41E+09	-119.05	-118.57	1.41
1.41E+09	-118.97	-119.13	1.41
1.41E+09	-117.83	-119.02	1.41
1.42E+09	-118.62	-118.43	1.42
1.42E+09	-118.99	-117.46	1.42
1.42E+09	-118.66	-119.37	1.42
1.42E+09	-119.99	-118.38	1.42
1.43E+09	-118.90	-119.42	1.43
1.43E+09	-118.79	-118.77	1.43
1.43E+09	-119.17	-118.53	1.43
1.43E+09	-119.46	-118.35	1.43
1.44E+09	-118.50	-118.46	1.44
1.44E+09	-119.04	-118.58	1.44
1.44E+09	-117.41	-118.95	1.44
1.44E+09	-119.37	-118.01	1.44
1.45E+09	-118.61	-118.52	1.45
1.45E+09	-119.07	-118.15	1.45
1.45E+09	-118.44	-118.82	1.45
1.45E+09	-117.57	-118.86	1.45
1.46E+09	-119.77	-118.50	1.46
1.46E+09	-119.33	-118.14	1.46
1.46E+09	-119.32	-120.59	1.46
1.46E+09	-117.97	-120.05	1.46
1.47E+09	-118.22	-118.16	1.47
1.47E+09	-118.51	-118.22	1.47
1.47E+09	-119.60	-119.90	1.47

1-2 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power		Comparison
No power line		cord on the ground		20-Dec
on the ground		connecting shed		minus the Ambient scan
9-Dec-10	20-Dec-10	Freq MHz	dBm	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	3.00
1.47E+09	-117.28	-119.78	1.47	
1.48E+09	-121.14	-119.22	1.48	
1.48E+09	-118.64	-118.79	1.48	
1.48E+09	-118.09	-119.67	1.48	
1.48E+09	-118.47	-119.42	1.48	
1.49E+09	-119.04	-118.24	1.49	
1.49E+09	-118.67	-119.43	1.49	
1.49E+09	-118.09	-119.13	1.49	
1.49E+09	-119.63	-120.14	1.49	
1.50E+09	-119.88	-120.42	1.50	
1.50E+09	-116.66	-117.32	1.50	
1.50E+09	-117.68	-118.75	1.50	
1.50E+09	-119.99	-118.41	1.50	
1.51E+09	-119.24	-117.97	1.51	
1.51E+09	-119.02	-118.75	1.51	
1.51E+09	-117.21	-118.79	1.51	
1.51E+09	-120.87	-119.53	1.51	
1.52E+09	-118.78	-117.95	1.52	
1.52E+09	-120.00	-118.71	1.52	
1.52E+09	-117.15	-118.88	1.52	
1.52E+09	-119.34	-117.22	1.52	
1.53E+09	-118.03	-118.50	1.53	
1.53E+09	-119.49	-118.96	1.53	
1.53E+09	-118.80	-118.42	1.53	
1.53E+09	-118.41	-117.93	1.53	
1.54E+09	-118.52	-119.38	1.54	
1.54E+09	-118.57	-118.35	1.54	

1-2 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power		Comparison
No power line		cord on the ground		20-Dec
on the ground		connecting shed		minus the Ambient scan
9-Dec-10		20-Dec-10	Freq MHz	dBm
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	3.00
1.54E+09	-118.76	-118.27	1.54	
1.54E+09	-116.20	-119.35	1.54	-3.15
1.55E+09	-119.42	-118.81	1.55	
1.55E+09	-118.57	-119.21	1.55	
1.55E+09	-119.98	-120.00	1.55	
1.55E+09	-119.08	-118.44	1.55	
1.56E+09	-118.56	-118.39	1.56	
1.56E+09	-120.18	-117.91	1.56	
1.56E+09	-119.46	-118.34	1.56	
1.56E+09	-119.61	-118.13	1.56	
1.57E+09	-119.43	-118.74	1.57	
1.57E+09	-119.81	-118.27	1.57	
1.57E+09	-117.17	-118.11	1.57	
1.57E+09	-117.39	-119.43	1.57	
1.58E+09	-118.07	-118.97	1.58	
1.58E+09	-116.25	-118.37	1.58	
1.58E+09	-117.85	-117.92	1.58	
1.58E+09	-117.03	-120.02	1.58	
1.59E+09	-117.95	-118.36	1.59	
1.59E+09	-119.53	-119.20	1.59	
1.59E+09	-119.46	-117.82	1.59	
1.59E+09	-119.21	-118.47	1.59	
1.60E+09	-118.46	-117.66	1.60	
1.60E+09	-119.34	-117.88	1.60	
1.60E+09	-118.14	-119.02	1.60	
1.60E+09	-119.76	-117.97	1.60	
1.61E+09	-118.15	-118.18	1.61	

1-2 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

	Ambient Scan	575' length of power	Comparison
	No power line on the ground	cord on the ground connecting shed	20-Dec minus the Ambient scan
	9-Dec-10	20-Dec-10	Freq MHz
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >
			dBm
			3.00
1.61E+09	-119.02	-118.39	1.61
1.61E+09	-117.76	-118.02	1.61
1.61E+09	-118.88	-118.58	1.61
1.62E+09	-118.08	-118.67	1.62
1.62E+09	-117.21	-117.75	1.62
1.62E+09	-118.32	-119.22	1.62
1.62E+09	-117.40	-116.86	1.62
1.63E+09	-117.81	-119.23	1.63
1.63E+09	-118.44	-118.15	1.63
1.63E+09	-119.49	-118.59	1.63
1.63E+09	-117.67	-118.80	1.63
1.64E+09	-118.26	-118.41	1.64
1.64E+09	-118.77	-118.45	1.64
1.64E+09	-117.42	-117.28	1.64
1.64E+09	-119.07	-118.74	1.64
1.65E+09	-117.58	-118.91	1.65
1.65E+09	-118.50	-118.94	1.65
1.65E+09	-120.25	-118.37	1.65
1.65E+09	-119.15	-119.29	1.65
1.66E+09	-118.17	-118.30	1.66
1.66E+09	-116.48	-118.88	1.66
1.66E+09	-119.85	-117.38	1.66
1.66E+09	-119.53	-118.41	1.66
1.67E+09	-117.66	-118.11	1.67
1.67E+09	-119.89	-117.13	1.67
1.67E+09	-118.71	-118.96	1.67
1.67E+09	-117.66	-118.27	1.67

1-2 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power		Comparison
No power line		cord on the ground		20-Dec
on the ground		connecting shed		minus the Ambient scan
9-Dec-10	20-Dec-10	Freq MHz	dBm	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	3.00
1.68E+09	-119.44	-117.81	1.68	
1.68E+09	-116.61	-118.88	1.68	
1.68E+09	-119.06	-118.23	1.68	
1.68E+09	-119.85	-118.39	1.68	
1.69E+09	-117.64	-119.02	1.69	
1.69E+09	-119.00	-117.49	1.69	
1.69E+09	-116.11	-118.51	1.69	
1.69E+09	-117.59	-118.43	1.69	
1.70E+09	-118.64	-118.87	1.70	
1.70E+09	-118.97	-119.43	1.70	
1.70E+09	-117.18	-118.77	1.70	
1.70E+09	-118.32	-117.71	1.70	
1.71E+09	-118.82	-119.03	1.71	
1.71E+09	-117.33	-118.29	1.71	
1.71E+09	-118.71	-118.30	1.71	
1.71E+09	-115.71	-116.97	1.71	
1.72E+09	-117.46	-117.36	1.72	
1.72E+09	-117.14	-116.83	1.72	
1.72E+09	-119.01	-117.90	1.72	
1.72E+09	-118.14	-117.79	1.72	
1.73E+09	-117.97	-119.80	1.73	
1.73E+09	-117.37	-119.12	1.73	
1.73E+09	-118.46	-118.19	1.73	
1.73E+09	-117.46	-118.11	1.73	
1.74E+09	-119.61	-118.92	1.74	
1.74E+09	-117.79	-117.52	1.74	
1.74E+09	-117.53	-118.04	1.74	

1-2 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

	Ambient Scan	575' length of power	Comparison
	No power line on the ground	cord on the ground connecting shed	20-Dec minus the Ambient scan
	9-Dec-10	20-Dec-10	Freq MHz
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >
			dBm
			3.00
1.74E+09	-118.81	-117.54	1.74
1.75E+09	-120.68	-118.75	1.75
1.75E+09	-116.77	-118.03	1.75
1.75E+09	-120.42	-118.39	1.75
1.75E+09	-119.21	-117.20	1.75
1.76E+09	-119.99	-118.85	1.76
1.76E+09	-119.23	-118.20	1.76
1.76E+09	-118.62	-118.72	1.76
1.76E+09	-118.33	-117.83	1.76
1.77E+09	-118.42	-118.53	1.77
1.77E+09	-120.08	-118.08	1.77
1.77E+09	-118.70	-119.55	1.77
1.77E+09	-117.54	-119.55	1.77
1.78E+09	-120.80	-118.57	1.78
1.78E+09	-119.61	-118.31	1.78
1.78E+09	-119.07	-117.55	1.78
1.78E+09	-119.26	-118.88	1.78
1.79E+09	-118.22	-117.50	1.79
1.79E+09	-118.00	-118.37	1.79
1.79E+09	-118.84	-118.39	1.79
1.79E+09	-118.85	-119.63	1.79
1.80E+09	-117.80	-119.21	1.80
1.80E+09	-120.61	-118.63	1.80
1.80E+09	-119.88	-118.11	1.80
1.80E+09	-119.45	-117.04	1.80
1.81E+09	-118.37	-118.35	1.81
1.81E+09	-120.07	-118.42	1.81

1-2 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

	Ambient Scan	575' length of power	Comparison
	No power line on the ground	cord on the ground connecting shed	20-Dec minus the Ambient scan
	9-Dec-10	20-Dec-10	Freq MHz
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >
			3.00
1.81E+09	-118.22	-118.31	1.81
1.81E+09	-117.65	-117.78	1.81
1.82E+09	-118.05	-117.56	1.82
1.82E+09	-119.80	-118.39	1.82
1.82E+09	-118.18	-119.87	1.82
1.82E+09	-120.24	-118.71	1.82
1.83E+09	-118.08	-118.73	1.83
1.83E+09	-118.04	-119.09	1.83
1.83E+09	-118.69	-118.75	1.83
1.83E+09	-118.18	-119.23	1.83
1.84E+09	-118.46	-119.71	1.84
1.84E+09	-117.29	-118.66	1.84
1.84E+09	-117.86	-117.86	1.84
1.84E+09	-120.60	-117.02	1.84
			3.58
1.85E+09	-117.74	-119.15	1.85
1.85E+09	-119.55	-119.58	1.85
1.85E+09	-119.42	-119.52	1.85
1.85E+09	-118.99	-119.93	1.85
1.86E+09	-119.75	-118.23	1.86
1.86E+09	-118.05	-117.88	1.86
1.86E+09	-117.97	-119.09	1.86
1.86E+09	-119.82	-118.54	1.86
1.87E+09	-119.15	-118.77	1.87
1.87E+09	-120.44	-119.76	1.87
1.87E+09	-118.91	-118.18	1.87
1.87E+09	-118.28	-118.22	1.87
1.88E+09	-117.80	-118.29	1.88

1-2 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

	Ambient Scan	575' length of power	Comparison
	No power line on the ground	cord on the ground connecting shed	20-Dec minus the Ambient scan
	9-Dec-10	20-Dec-10	Freq MHz
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >
			dBm
			3.00
1.88E+09	-119.34	-115.32	1.88
			4.01
1.88E+09	-118.58	-118.33	1.88
1.88E+09	-118.17	-118.51	1.88
1.89E+09	-120.05	-117.53	1.89
1.89E+09	-118.44	-118.38	1.89
1.89E+09	-119.97	-119.38	1.89
1.89E+09	-118.83	-118.15	1.89
1.90E+09	-117.93	-119.54	1.90
1.90E+09	-118.79	-119.11	1.90
1.90E+09	-119.96	-117.85	1.90
1.90E+09	-119.32	-118.56	1.90
1.91E+09	-118.15	-118.81	1.91
1.91E+09	-120.35	-118.08	1.91
1.91E+09	-117.75	-117.90	1.91
1.91E+09	-119.71	-118.65	1.91
1.92E+09	-117.48	-119.43	1.92
1.92E+09	-119.00	-118.46	1.92
1.92E+09	-118.15	-117.96	1.92
1.92E+09	-116.60	-119.61	1.92
			-3.01
1.93E+09	-118.21	-117.94	1.93
1.93E+09	-119.31	-117.79	1.93
1.93E+09	-118.75	-119.24	1.93
1.93E+09	-117.15	-118.84	1.93
1.94E+09	-119.36	-117.19	1.94
1.94E+09	-119.07	-118.25	1.94
1.94E+09	-118.95	-118.78	1.94
1.94E+09	-118.74	-119.11	1.94

1-2 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

	Ambient Scan	575' length of power	Comparison
	No power line on the ground	cord on the ground connecting shed	20-Dec minus the Ambient scan
	9-Dec-10	20-Dec-10	Freq MHz
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >
			3.00
1.95E+09	-118.06	-119.53	1.95
1.95E+09	-118.67	-118.14	1.95
1.95E+09	-118.85	-119.39	1.95
1.95E+09	-80.21	-73.51	1.95
1.96E+09	-86.40	-81.79	1.96
1.96E+09	-87.36	-83.61	1.96
1.96E+09	-117.68	-117.19	1.96
1.96E+09	-119.13	-119.03	1.96
1.97E+09	-81.44	-90.99	1.97
1.97E+09	-107.69	-109.87	1.97
1.97E+09	-96.86	-92.17	1.97
1.97E+09	-97.69	-101.58	1.97
1.98E+09	-119.16	-117.90	1.98
1.98E+09	-119.55	-118.49	1.98
1.98E+09	-116.09	-113.58	1.98
1.98E+09	-105.03	-108.97	1.98
1.99E+09	-106.54	-106.49	1.99
1.99E+09	-107.12	-107.71	1.99
1.99E+09	-118.47	-117.37	1.99
1.99E+09	-117.01	-118.92	1.99
2.00E+09	-119.06	-118.28	2.00
2.00E+09	-118.62	-118.77	2.00
2.00E+09	-120.08	-117.58	2.00
		Sum of Columns	3.79

Attenuation (dB)
 0.00E+00

 Center Frequency (Hz)
 1.50E+09

 Date/Time
 12/20/2010 13:57

 Instrument Model
 E4407B

 Instrument Serial Number
 MY45116875

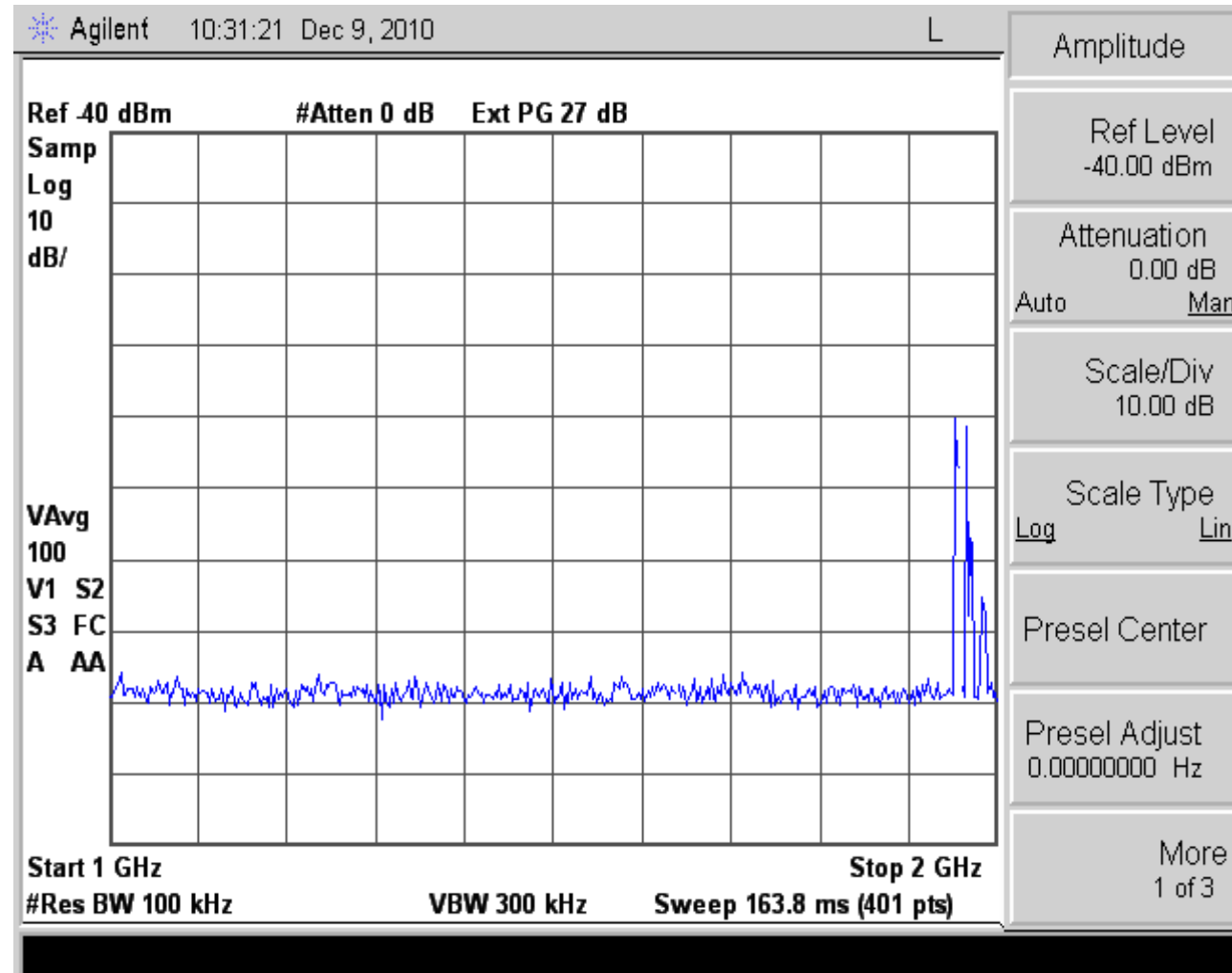
 Reference Level (dBm)
 -4.00E+01

 Resolution BW (Hz)
 1.00E+05

 Scale Type
 LOG

 Span Frequency (Hz)
 1.00E+09

 Start Frequency (Hz)
 1.00E+09

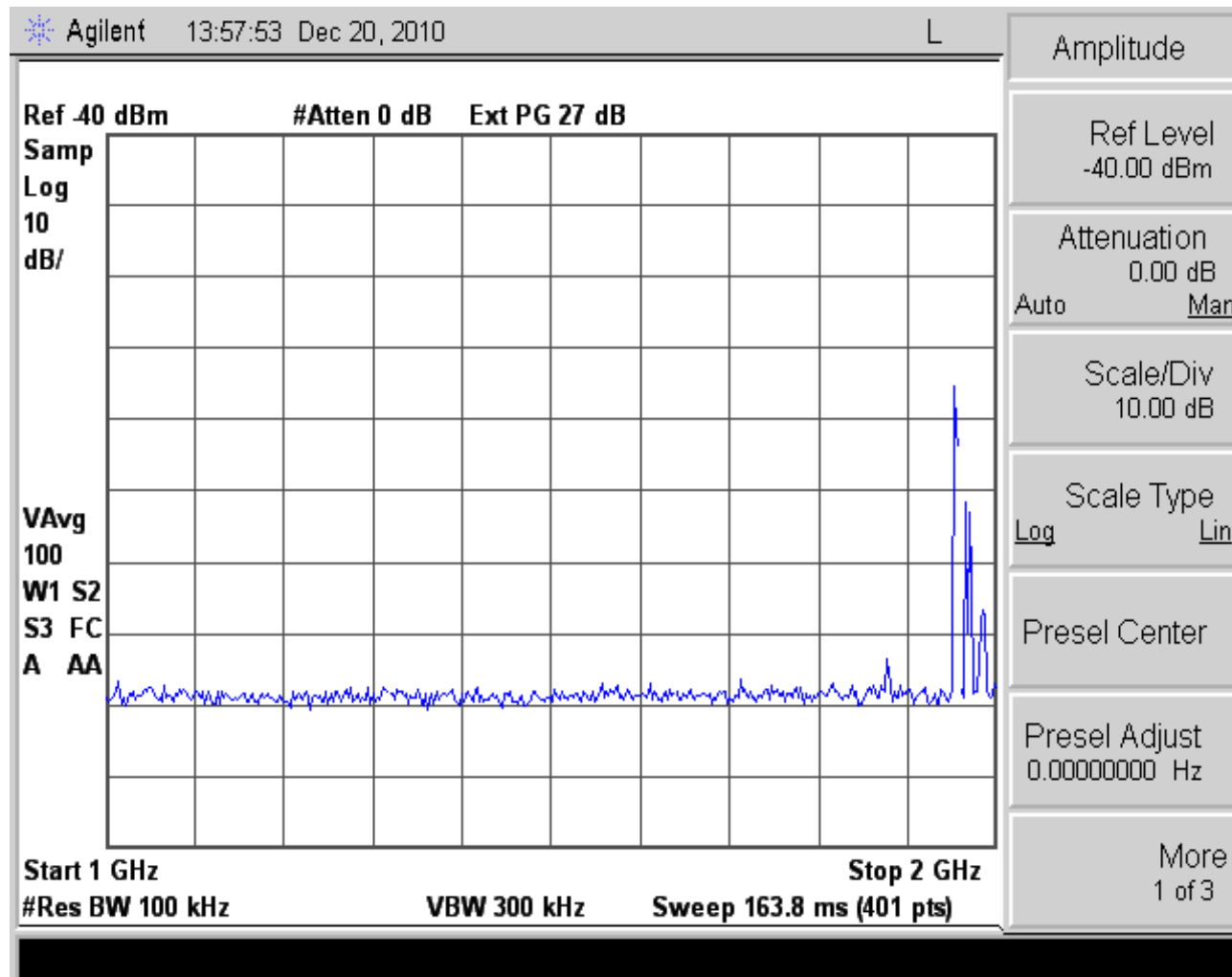


Stop Frequency (Hz)
2.00E+09

Sweep Number Of Points
401

Sweep Time (seconds)
1.64E-01

Video BW (Hz)
3.00E+05



2-3 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power		Comparison	
No power line		cord on the ground		20-Dec	
on the ground		connecting shed		minus the Ambient scan	
9-Dec-10		20-Dec-10	Freq MHz	dBm	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	3.00	
2.00E+09	-118.36	-119.59	2.00		
2.00E+09	-118.68	-119.37	2.00		
2.01E+09	-120.08	-119.60	2.01		
2.01E+09	-117.65	-118.20	2.01		
2.01E+09	-119.58	-118.03	2.01		
2.01E+09	-117.85	-119.00	2.01		
2.02E+09	-119.02	-118.42	2.02		
2.02E+09	-118.38	-119.53	2.02		
2.02E+09	-118.35	-120.53	2.02		
2.02E+09	-119.28	-120.69	2.02		
2.03E+09	-118.30	-119.55	2.03		
2.03E+09	-118.47	-118.84	2.03		
2.03E+09	-119.62	-117.38	2.03		
2.03E+09	-118.39	-118.18	2.03		
2.04E+09	-120.11	-119.64	2.04		
2.04E+09	-120.06	-117.89	2.04		
2.04E+09	-118.48	-119.72	2.04		
2.04E+09	-119.77	-119.03	2.04		
2.05E+09	-119.16	-118.01	2.05		
2.05E+09	-118.00	-118.39	2.05		
2.05E+09	-119.52	-117.26	2.05		
2.05E+09	-119.52	-117.75	2.05		
2.06E+09	-119.05	-119.70	2.06		
2.06E+09	-118.65	-119.25	2.06		
2.06E+09	-118.85	-118.80	2.06		
2.06E+09	-119.33	-118.90	2.06		
2.07E+09	-119.17	-118.36	2.07		

2-3 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power		Comparison	
No power line		cord on the ground		20-Dec	
on the ground		connecting shed		minus the Ambient scan	
9-Dec-10		20-Dec-10	Freq MHz	dBm	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	3.00	
2.07E+09	-119.14	-118.98	2.07		
2.07E+09	-119.09	-117.94	2.07		
2.07E+09	-121.17	-119.24	2.07		
2.08E+09	-119.67	-119.78	2.08		
2.08E+09	-119.11	-119.83	2.08		
2.08E+09	-119.66	-119.68	2.08		
2.08E+09	-118.53	-118.82	2.08		
2.09E+09	-119.11	-119.89	2.09		
2.09E+09	-119.02	-118.72	2.09		
2.09E+09	-118.39	-118.72	2.09		
2.09E+09	-118.10	-118.99	2.09		
2.10E+09	-118.22	-119.82	2.10		
2.10E+09	-118.63	-118.45	2.10		
2.10E+09	-118.38	-119.79	2.10		
2.10E+09	-118.94	-119.03	2.10		
2.11E+09	-119.48	-118.19	2.11		
2.11E+09	-119.78	-119.32	2.11		
2.11E+09	-119.18	-119.22	2.11		
2.11E+09	-118.54	-119.34	2.11		
2.12E+09	-117.06	-118.65	2.12		
2.12E+09	-117.36	-118.07	2.12		
2.12E+09	-119.08	-118.59	2.12		
2.12E+09	-120.03	-118.31	2.12		
2.13E+09	-120.66	-118.45	2.13		
2.13E+09	-119.32	-119.84	2.13		
2.13E+09	-118.82	-119.59	2.13		
2.13E+09	-118.54	-119.29	2.13		

2-3 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power		Comparison	
No power line		cord on the ground		20-Dec	
on the ground		connecting shed		minus the Ambient scan	
9-Dec-10		20-Dec-10	Freq MHz	dBm	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	3.00	
2.14E+09	-118.40	-120.26	2.14		
2.14E+09	-119.12	-119.56	2.14		
2.14E+09	-119.18	-118.48	2.14		
2.14E+09	-120.54	-117.94	2.14		
2.15E+09	-119.34	-117.62	2.15		
2.15E+09	-118.10	-118.60	2.15		
2.15E+09	-97.83	-104.54	2.15	-6.71	
2.15E+09	-97.97	-106.21	2.15	-8.24	
2.16E+09	-118.58	-119.64	2.16		
2.16E+09	-120.17	-118.35	2.16		
2.16E+09	-119.48	-118.25	2.16		
2.16E+09	-117.95	-118.96	2.16		
2.17E+09	-119.08	-118.70	2.17		
2.17E+09	-119.34	-120.47	2.17		
2.17E+09	-118.80	-120.59	2.17		
2.17E+09	-117.43	-119.75	2.17		
2.18E+09	-121.07	-118.79	2.18		
2.18E+09	-119.92	-118.62	2.18		
2.18E+09	-118.60	-117.56	2.18		
2.18E+09	-118.12	-117.45	2.18		
2.19E+09	-119.42	-116.37	2.19	3.04	
2.19E+09	-118.86	-118.62	2.19		
2.19E+09	-118.16	-119.09	2.19		
2.19E+09	-118.61	-118.57	2.19		
2.20E+09	-118.36	-119.40	2.20		
2.20E+09	-112.68	-113.32	2.20		
2.20E+09	-118.72	-118.15	2.20		

2-3 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power		Comparison	
No power line		cord on the ground		20-Dec	
on the ground		connecting shed		minus the Ambient scan	
9-Dec-10		20-Dec-10	Freq MHz	dBm	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	3.00	
2.20E+09	-117.97	-118.16	2.20		
2.21E+09	-117.86	-119.38	2.21		
2.21E+09	-118.68	-118.84	2.21		
2.21E+09	-119.10	-119.47	2.21		
2.21E+09	-118.67	-117.84	2.21		
2.22E+09	-119.09	-118.43	2.22		
2.22E+09	-118.33	-118.41	2.22		
2.22E+09	-117.89	-117.72	2.22		
2.22E+09	-118.49	-118.84	2.22		
2.23E+09	-118.56	-120.00	2.23		
2.23E+09	-119.52	-119.73	2.23		
2.23E+09	-119.43	-120.54	2.23		
2.23E+09	-117.43	-119.08	2.23		
2.24E+09	-119.42	-118.50	2.24		
2.24E+09	-118.39	-118.49	2.24		
2.24E+09	-118.00	-118.83	2.24		
2.24E+09	-118.63	-119.29	2.24		
2.25E+09	-119.38	-119.28	2.25		
2.25E+09	-119.95	-119.02	2.25		
2.25E+09	-120.00	-119.06	2.25		
2.25E+09	-119.14	-119.07	2.25		
2.26E+09	-119.21	-119.73	2.26		
2.26E+09	-117.56	-118.40	2.26		
2.26E+09	-118.21	-120.33	2.26		
2.26E+09	-119.00	-119.28	2.26		
2.27E+09	-119.42	-120.58	2.27		
2.27E+09	-118.84	-118.91	2.27		

2-3 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power		Comparison	
No power line		cord on the ground		20-Dec	
on the ground		connecting shed		minus the Ambient scan	
9-Dec-10		20-Dec-10	Freq MHz	dBm	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	3.00	
2.27E+09	-120.13	-119.43	2.27		
2.27E+09	-117.55	-119.57	2.27		
2.28E+09	-117.41	-117.60	2.28		
2.28E+09	-118.87	-119.15	2.28		
2.28E+09	-119.48	-118.14	2.28		
2.28E+09	-118.30	-118.53	2.28		
2.29E+09	-118.98	-119.75	2.29		
2.29E+09	-119.03	-118.89	2.29		
2.29E+09	-119.64	-119.27	2.29		
2.29E+09	-120.01	-118.77	2.29		
2.30E+09	-118.61	-117.27	2.30		
2.30E+09	-118.53	-118.50	2.30		
2.30E+09	-119.26	-117.01	2.30		
2.30E+09	-119.02	-119.50	2.30		
2.31E+09	-120.17	-120.68	2.31		
2.31E+09	-117.95	-119.68	2.31		
2.31E+09	-118.72	-118.22	2.31		
2.31E+09	-118.60	-118.11	2.31		
2.32E+09	-117.88	-118.95	2.32		
2.32E+09	-119.51	-119.62	2.32		
2.32E+09	-109.88	-112.43	2.32		
2.32E+09	-110.14	-112.72	2.32		
2.33E+09	-119.96	-119.96	2.33		
2.33E+09	-117.85	-115.39	2.33		
2.33E+09	-117.21	-116.15	2.33		
2.33E+09	-111.87	-111.41	2.33		
2.34E+09	-118.04	-118.44	2.34		

2-3 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power		Comparison	
No power line		cord on the ground		20-Dec	
on the ground		connecting shed		minus the Ambient scan	
9-Dec-10		20-Dec-10	Freq MHz	dBm	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	3.00	
2.34E+09	-119.94	-119.00	2.34		
2.34E+09	-116.73	-118.73	2.34		
2.34E+09	-112.24	-113.75	2.34		
2.35E+09	-117.44	-117.45	2.35		
2.35E+09	-118.89	-118.62	2.35		
2.35E+09	-118.73	-118.92	2.35		
2.35E+09	-119.87	-118.19	2.35		
2.36E+09	-119.31	-118.54	2.36		
2.36E+09	-119.52	-119.71	2.36		
2.36E+09	-119.09	-119.36	2.36		
2.36E+09	-118.41	-119.16	2.36		
2.37E+09	-117.40	-118.97	2.37		
2.37E+09	-118.50	-118.67	2.37		
2.37E+09	-118.13	-119.57	2.37		
2.37E+09	-120.97	-119.11	2.37		
2.38E+09	-118.84	-119.12	2.38		
2.38E+09	-118.88	-119.19	2.38		
2.38E+09	-119.74	-118.56	2.38		
2.38E+09	-119.03	-119.12	2.38		
2.39E+09	-118.86	-117.69	2.39		
2.39E+09	-119.77	-119.91	2.39		
2.39E+09	-119.34	-120.01	2.39		
2.39E+09	-119.48	-119.74	2.39		
2.40E+09	-118.60	-119.22	2.40		
2.40E+09	-119.57	-119.57	2.40		
2.40E+09	-118.50	-118.16	2.40		
2.40E+09	-119.22	-118.16	2.40		

2-3 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power		Comparison	
No power line		cord on the ground		20-Dec	
on the ground		connecting shed		minus the Ambient scan	
9-Dec-10		20-Dec-10	Freq MHz	dBm	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	3.00	
2.41E+09	-119.43	-119.00	2.41		
2.41E+09	-119.27	-119.83	2.41		
2.41E+09	-120.26	-119.75	2.41		
2.41E+09	-118.96	-118.57	2.41		
2.42E+09	-117.92	-119.54	2.42		
2.42E+09	-118.05	-120.80	2.42		
2.42E+09	-119.46	-118.44	2.42		
2.42E+09	-118.53	-118.68	2.42		
2.43E+09	-120.52	-119.20	2.43		
2.43E+09	-119.44	-119.63	2.43		
2.43E+09	-119.06	-118.90	2.43		
2.43E+09	-118.87	-118.44	2.43		
2.44E+09	-119.55	-118.56	2.44		
2.44E+09	-119.20	-119.36	2.44		
2.44E+09	-119.38	-118.77	2.44		
2.44E+09	-120.50	-118.54	2.44		
2.45E+09	-118.97	-118.11	2.45		
2.45E+09	-120.83	-119.49	2.45		
2.45E+09	-119.90	-119.08	2.45		
2.45E+09	-118.48	-119.00	2.45		
2.46E+09	-119.83	-119.16	2.46		
2.46E+09	-119.62	-118.37	2.46		
2.46E+09	-119.59	-118.80	2.46		
2.46E+09	-121.07	-119.61	2.46		
2.47E+09	-118.65	-119.38	2.47		
2.47E+09	-118.73	-118.54	2.47		
2.47E+09	-120.47	-119.62	2.47		

2-3 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power		Comparison	
No power line		cord on the ground		20-Dec	
on the ground		connecting shed		minus the Ambient scan	
9-Dec-10		20-Dec-10	Freq MHz	dBm	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	3.00	
2.47E+09	-119.49	-119.07	2.47		
2.48E+09	-119.78	-119.60	2.48		
2.48E+09	-119.39	-118.69	2.48		
2.48E+09	-118.56	-117.90	2.48		
2.48E+09	-119.09	-117.39	2.48		
2.49E+09	-118.80	-117.58	2.49		
2.49E+09	-119.47	-118.43	2.49		
2.49E+09	-118.83	-119.15	2.49		
2.49E+09	-119.83	-119.38	2.49		
2.50E+09	-119.52	-118.78	2.50		
2.50E+09	-119.31	-117.71	2.50		
2.50E+09	-119.71	-118.78	2.50		
2.50E+09	-119.94	-119.43	2.50		
2.51E+09	-118.94	-117.91	2.51		
2.51E+09	-118.93	-119.01	2.51		
2.51E+09	-118.23	-118.29	2.51		
2.51E+09	-118.13	-119.49	2.51		
2.52E+09	-120.24	-119.70	2.52		
2.52E+09	-119.17	-117.74	2.52		
2.52E+09	-119.64	-117.81	2.52		
2.52E+09	-117.89	-119.42	2.52		
2.53E+09	-118.86	-120.05	2.53		
2.53E+09	-120.06	-118.91	2.53		
2.53E+09	-119.30	-118.67	2.53		
2.53E+09	-119.87	-120.09	2.53		
2.54E+09	-119.45	-119.24	2.54		
2.54E+09	-119.40	-118.62	2.54		

2-3 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power		Comparison	
No power line		cord on the ground		20-Dec	
on the ground		connecting shed		minus the Ambient scan	
9-Dec-10		20-Dec-10	Freq MHz	dBm	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	3.00	
2.54E+09	-119.25	-118.75	2.54		
2.54E+09	-118.35	-118.40	2.54		
2.55E+09	-119.75	-118.09	2.55		
2.55E+09	-120.01	-120.54	2.55		
2.55E+09	-119.92	-119.37	2.55		
2.55E+09	-119.32	-119.45	2.55		
2.56E+09	-118.65	-120.00	2.56		
2.56E+09	-118.15	-119.22	2.56		
2.56E+09	-118.45	-117.53	2.56		
2.56E+09	-119.30	-118.67	2.56		
2.57E+09	-119.45	-119.64	2.57		
2.57E+09	-119.75	-119.69	2.57		
2.57E+09	-119.10	-120.39	2.57		
2.57E+09	-120.15	-119.62	2.57		
2.58E+09	-117.73	-117.96	2.58		
2.58E+09	-117.60	-118.35	2.58		
2.58E+09	-120.24	-117.51	2.58		
2.58E+09	-119.21	-119.83	2.58		
2.59E+09	-118.78	-120.06	2.59		
2.59E+09	-119.96	-119.90	2.59		
2.59E+09	-119.54	-119.36	2.59		
2.59E+09	-118.60	-119.54	2.59		
2.60E+09	-117.29	-119.52	2.60		
2.60E+09	-119.22	-118.73	2.60		
2.60E+09	-118.75	-118.18	2.60		
2.60E+09	-120.78	-119.18	2.60		
2.61E+09	-121.03	-119.19	2.61		

2-3 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power		Comparison	
No power line		cord on the ground		20-Dec	
on the ground		connecting shed		minus the Ambient scan	
9-Dec-10		20-Dec-10	Freq MHz	dBm	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	3.00	
2.61E+09	-119.12	-117.86	2.61		
2.61E+09	-120.13	-119.84	2.61		
2.61E+09	-118.47	-118.20	2.61		
2.62E+09	-119.06	-118.38	2.62		
2.62E+09	-118.97	-118.35	2.62		
2.62E+09	-118.97	-119.52	2.62		
2.62E+09	-119.00	-118.58	2.62		
2.63E+09	-120.14	-120.03	2.63		
2.63E+09	-119.58	-119.68	2.63		
2.63E+09	-118.11	-119.01	2.63		
2.63E+09	-118.73	-118.72	2.63		
2.64E+09	-120.19	-118.91	2.64		
2.64E+09	-119.14	-118.90	2.64		
2.64E+09	-119.54	-118.59	2.64		
2.64E+09	-120.18	-119.15	2.64		
2.65E+09	-117.25	-118.17	2.65		
2.65E+09	-118.53	-119.31	2.65		
2.65E+09	-118.57	-118.74	2.65		
2.65E+09	-117.52	-119.29	2.65		
2.66E+09	-117.90	-118.29	2.66		
2.66E+09	-119.61	-118.84	2.66		
2.66E+09	-120.56	-119.83	2.66		
2.66E+09	-120.00	-119.85	2.66		
2.67E+09	-118.39	-119.69	2.67		
2.67E+09	-118.72	-119.86	2.67		
2.67E+09	-119.95	-118.88	2.67		
2.67E+09	-118.41	-117.95	2.67		

2-3 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power		Comparison	
No power line		cord on the ground		20-Dec	
on the ground		connecting shed		minus the Ambient scan	
9-Dec-10		20-Dec-10	Freq MHz	dBm	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	3.00	
2.68E+09	-119.67	-118.07	2.68		
2.68E+09	-119.81	-119.65	2.68		
2.68E+09	-118.88	-119.26	2.68		
2.68E+09	-118.60	-119.01	2.68		
2.69E+09	-118.16	-119.05	2.69		
2.69E+09	-119.68	-118.40	2.69		
2.69E+09	-118.10	-118.70	2.69		
2.69E+09	-119.62	-119.62	2.69		
2.70E+09	-119.56	-118.32	2.70		
2.70E+09	-119.31	-119.42	2.70		
2.70E+09	-118.90	-118.47	2.70		
2.70E+09	-118.11	-119.02	2.70		
2.71E+09	-118.67	-118.03	2.71		
2.71E+09	-120.01	-116.62	2.71	3.39	
2.71E+09	-120.47	-118.96	2.71		
2.71E+09	-119.36	-118.33	2.71		
2.72E+09	-119.39	-117.94	2.72		
2.72E+09	-118.97	-118.33	2.72		
2.72E+09	-118.89	-118.84	2.72		
2.72E+09	-118.67	-117.86	2.72		
2.73E+09	-119.49	-119.48	2.73		
2.73E+09	-118.53	-118.34	2.73		
2.73E+09	-121.25	-117.74	2.73	3.51	
2.73E+09	-119.69	-118.82	2.73		
2.74E+09	-119.34	-118.33	2.74		
2.74E+09	-118.78	-118.14	2.74		
2.74E+09	-119.70	-119.22	2.74		

2-3 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power		Comparison	
No power line		cord on the ground		20-Dec	
on the ground		connecting shed		minus the Ambient scan	
9-Dec-10		20-Dec-10	Freq MHz	dBm	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	3.00	
2.74E+09	-118.43	-118.60	2.74		
2.75E+09	-118.37	-119.13	2.75		
2.75E+09	-118.95	-117.59	2.75		
2.75E+09	-119.37	-117.86	2.75		
2.75E+09	-118.74	-120.60	2.75		
2.76E+09	-118.65	-119.34	2.76		
2.76E+09	-117.79	-118.14	2.76		
2.76E+09	-117.71	-118.81	2.76		
2.76E+09	-120.71	-119.75	2.76		
2.77E+09	-119.31	-121.17	2.77		
2.77E+09	-120.88	-118.54	2.77		
2.77E+09	-119.64	-119.40	2.77		
2.77E+09	-118.78	-119.28	2.77		
2.78E+09	-119.26	-118.36	2.78		
2.78E+09	-118.34	-119.42	2.78		
2.78E+09	-118.27	-118.96	2.78		
2.78E+09	-119.52	-119.07	2.78		
2.79E+09	-119.50	-117.76	2.79		
2.79E+09	-120.13	-118.19	2.79		
2.79E+09	-117.72	-119.48	2.79		
2.79E+09	-119.34	-118.62	2.79		
2.80E+09	-118.15	-118.70	2.80		
2.80E+09	-120.12	-118.90	2.80		
2.80E+09	-118.56	-118.03	2.80		
2.80E+09	-119.70	-119.69	2.80		
2.81E+09	-119.41	-117.15	2.81		
2.81E+09	-117.88	-117.64	2.81		

2-3 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power		Comparison	
No power line		cord on the ground		20-Dec	
on the ground		connecting shed		minus the Ambient scan	
9-Dec-10		20-Dec-10	Freq MHz	dBm	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	3.00	
2.81E+09	-118.78	-118.36	2.81		
2.81E+09	-118.92	-119.52	2.81		
2.82E+09	-118.46	-118.70	2.82		
2.82E+09	-121.22	-119.73	2.82		
2.82E+09	-118.07	-117.74	2.82		
2.82E+09	-119.50	-118.85	2.82		
2.83E+09	-118.87	-116.96	2.83		
2.83E+09	-119.01	-118.37	2.83		
2.83E+09	-119.95	-118.52	2.83		
2.83E+09	-119.94	-119.86	2.83		
2.84E+09	-118.11	-118.74	2.84		
2.84E+09	-119.78	-118.25	2.84		
2.84E+09	-118.42	-118.15	2.84		
2.84E+09	-120.12	-118.43	2.84		
2.85E+09	-119.02	-119.70	2.85		
2.85E+09	-119.21	-118.99	2.85		
2.85E+09	-119.57	-119.78	2.85		
2.85E+09	-120.99	-118.43	2.85		
2.86E+09	-119.32	-119.62	2.86		
2.86E+09	-119.22	-118.50	2.86		
2.86E+09	-117.54	-119.05	2.86		
2.86E+09	-119.42	-118.50	2.86		
2.87E+09	-117.36	-117.78	2.87		
2.87E+09	-120.14	-119.46	2.87		
2.87E+09	-119.86	-120.19	2.87		
2.87E+09	-119.84	-118.70	2.87		
2.88E+09	-118.30	-117.37	2.88		

2-3 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power		Comparison	
No power line		cord on the ground		20-Dec	
on the ground		connecting shed		minus the Ambient scan	
9-Dec-10		20-Dec-10	Freq MHz	dBm	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	3.00	
2.88E+09	-118.74	-118.34	2.88		
2.88E+09	-117.88	-118.29	2.88		
2.88E+09	-117.73	-118.28	2.88		
2.89E+09	-119.28	-118.42	2.89		
2.89E+09	-117.61	-118.42	2.89		
2.89E+09	-119.38	-119.02	2.89		
2.89E+09	-119.55	-119.21	2.89		
2.90E+09	-119.05	-117.93	2.90		
2.90E+09	-118.11	-118.77	2.90		
2.90E+09	-118.50	-118.96	2.90		
2.90E+09	-118.56	-118.24	2.90		
2.91E+09	-117.40	-118.96	2.91		
2.91E+09	-119.75	-119.28	2.91		
2.91E+09	-120.56	-117.91	2.91		
2.91E+09	-118.33	-117.96	2.91		
2.92E+09	-117.24	-119.77	2.92		
2.92E+09	-119.04	-117.47	2.92		
2.92E+09	-120.47	-118.40	2.92		
2.92E+09	-119.96	-118.38	2.92		
2.93E+09	-118.20	-118.20	2.93		
2.93E+09	-119.00	-119.73	2.93		
2.93E+09	-119.83	-118.17	2.93		
2.93E+09	-119.47	-118.70	2.93		
2.94E+09	-118.83	-118.00	2.94		
2.94E+09	-118.34	-117.94	2.94		
2.94E+09	-118.66	-118.12	2.94		
2.94E+09	-120.20	-119.01	2.94		

2-3 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power		Comparison	
No power line		cord on the ground		20-Dec	
on the ground		connecting shed		minus the Ambient scan	
9-Dec-10		20-Dec-10	Freq MHz	dBm	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	3.00	
2.95E+09	-120.29	-119.38	2.95		
2.95E+09	-119.32	-117.71	2.95		
2.95E+09	-118.91	-118.73	2.95		
2.95E+09	-118.10	-118.52	2.95		
2.96E+09	-118.74	-116.94	2.96		
2.96E+09	-119.33	-119.32	2.96		
2.96E+09	-120.18	-117.47	2.96		
2.96E+09	-119.67	-120.28	2.96		
2.97E+09	-117.80	-118.68	2.97		
2.97E+09	-120.31	-118.54	2.97		
2.97E+09	-117.22	-119.31	2.97		
2.97E+09	-118.80	-118.02	2.97		
2.98E+09	-118.58	-117.57	2.98		
2.98E+09	-118.13	-118.40	2.98		
2.98E+09	-118.33	-117.54	2.98		
2.98E+09	-118.25	-119.75	2.98		
2.99E+09	-118.43	-118.32	2.99		
2.99E+09	-118.96	-119.03	2.99		
2.99E+09	-117.56	-118.32	2.99		
2.99E+09	-117.98	-118.13	2.99		
3.00E+09	-118.28	-117.76	3.00		
3.00E+09	-117.77	-119.03	3.00		
3.00E+09	-118.82	-118.86	3.00		
Sum of Column				-5.00	

Attenuation (dB)
 0.00E+00

Center Frequency (Hz)
 2.50E+09

Date/Time
 12/20/2010 13:59

Instrument Model
 E4407B

Instrument Serial Number
 MY45116875

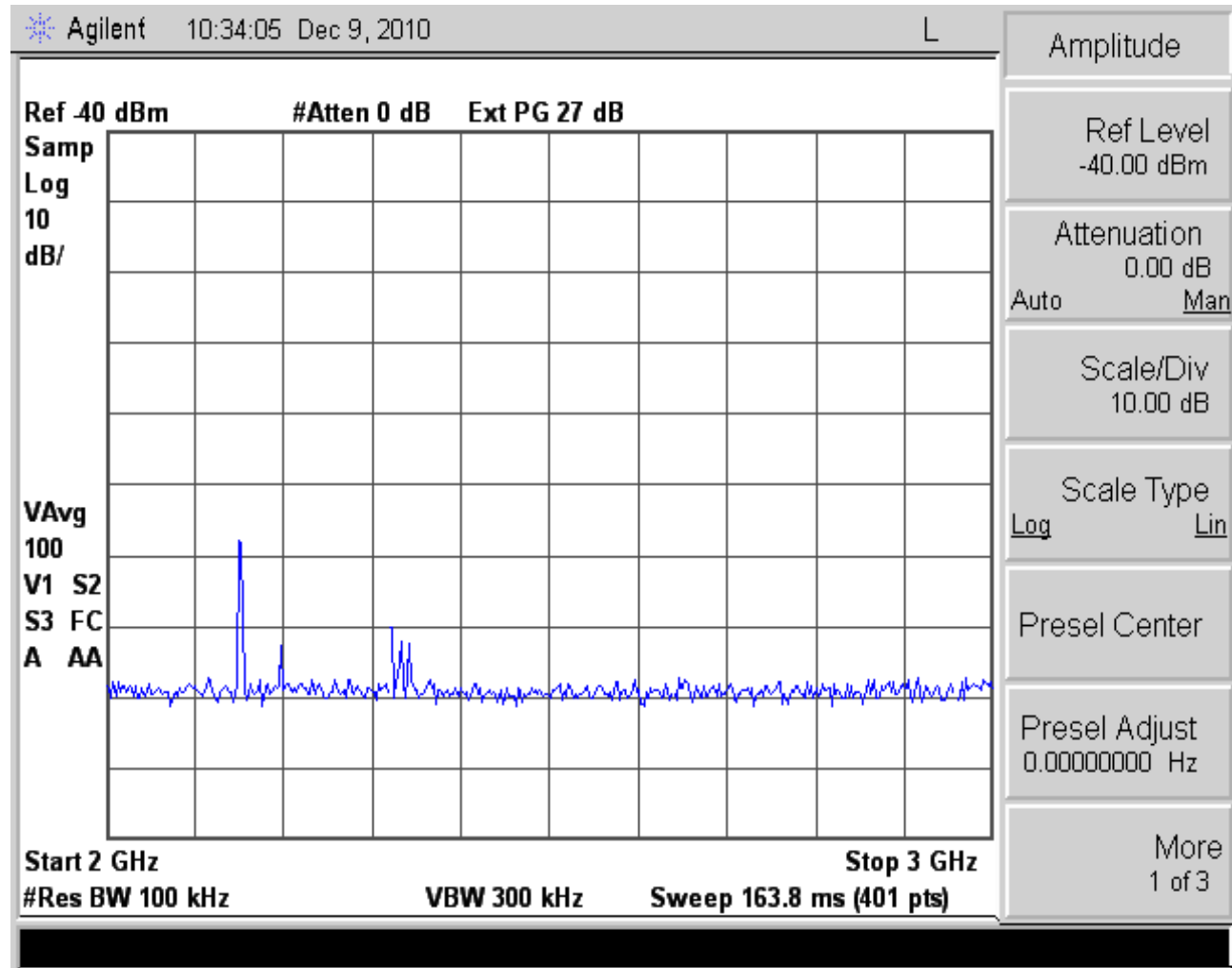
Reference Level (dBm)
 -4.00E+01

Resolution BW (Hz)
 1.00E+05

Scale Type
 LOG

Span Frequency (Hz)
 1.00E+09

Start Frequency (Hz)
 2.00E+09

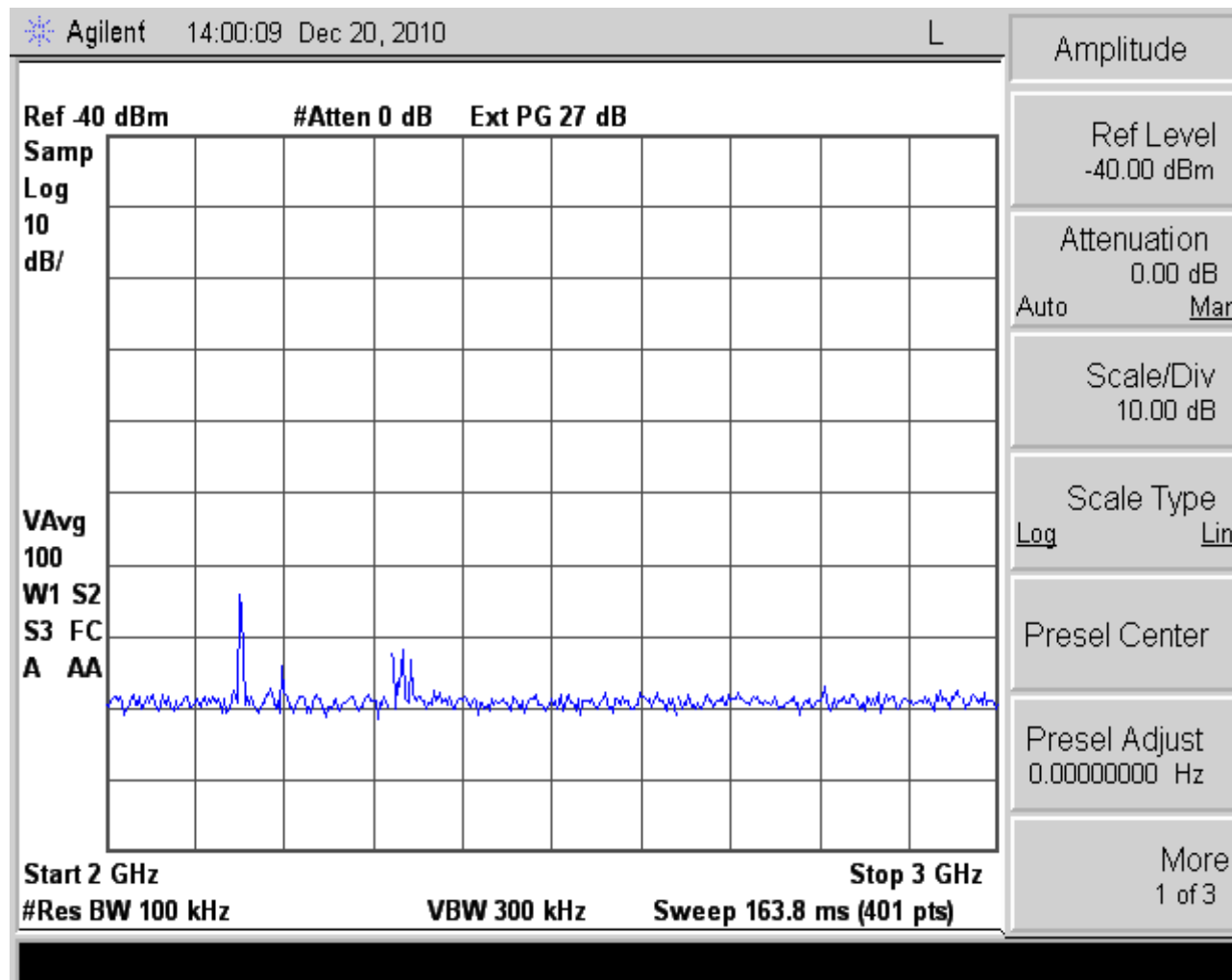


Stop Frequency (Hz)
3.00E+09

Sweep Number Of Points
401

Sweep Time (seconds)
1.64E-01

Video BW (Hz)
3.00E+05



3-4 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power		Comparison	
No power line		cord on the ground		20-Dec	
on the ground		connecting shed		minus the Ambient scan	
9-Dec-10		20-Dec-10	Freq MHz	dBm	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	3.00	
3.00E+09	-118.21	-119.96	3.00		
3.00E+09	-118.40	-119.51	3.00		
3.01E+09	-120.38	-121.29	3.01		
3.01E+09	-119.85	-120.38	3.01		
3.01E+09	-118.02	-119.76	3.01		
3.01E+09	-120.48	-119.67	3.01		
3.02E+09	-119.17	-121.15	3.02		
3.02E+09	-119.67	-120.47	3.02		
3.02E+09	-119.63	-120.33	3.02		
3.02E+09	-120.30	-120.73	3.02		
3.03E+09	-120.23	-119.39	3.03		
3.03E+09	-121.00	-120.33	3.03		
3.03E+09	-121.21	-119.31	3.03		
3.03E+09	-120.23	-119.89	3.03		
3.04E+09	-120.51	-121.50	3.04		
3.04E+09	-120.68	-120.74	3.04		
3.04E+09	-119.28	-121.04	3.04		
3.04E+09	-119.97	-121.11	3.04		
3.05E+09	-121.03	-120.25	3.05		
3.05E+09	-118.16	-120.11	3.05		
3.05E+09	-119.05	-119.42	3.05		
3.05E+09	-120.11	-121.22	3.05		
3.06E+09	-118.60	-120.47	3.06		
3.06E+09	-119.47	-121.57	3.06		
3.06E+09	-120.07	-120.58	3.06		
3.06E+09	-120.08	-119.36	3.06		

3-4 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power		Comparison	
No power line		cord on the ground		20-Dec	
on the ground		connecting shed		minus the Ambient scan	
9-Dec-10	20-Dec-10	Freq MHz		dBm	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	3.00	
3.07E+09	-118.71	-120.50	3.07		
3.07E+09	-120.16	-119.85	3.07		
3.07E+09	-119.81	-118.81	3.07		
3.07E+09	-119.72	-120.20	3.07		
3.08E+09	-119.86	-120.30	3.08		
3.08E+09	-119.85	-120.28	3.08		
3.08E+09	-120.32	-121.29	3.08		
3.08E+09	-121.11	-118.46	3.08		
3.09E+09	-120.39	-120.54	3.09		
3.09E+09	-119.47	-118.80	3.09		
3.09E+09	-120.63	-120.69	3.09		
3.09E+09	-121.24	-120.52	3.09		
3.10E+09	-119.53	-119.38	3.10		
3.10E+09	-119.73	-119.69	3.10		
3.10E+09	-119.51	-119.32	3.10		
3.10E+09	-120.47	-120.30	3.10		
3.11E+09	-120.73	-121.33	3.11		
3.11E+09	-118.97	-119.48	3.11		
3.11E+09	-119.28	-119.93	3.11		
3.11E+09	-118.71	-118.97	3.11		
3.12E+09	-118.56	-121.83	3.12	-3.27	
3.12E+09	-119.36	-119.49	3.12		
3.12E+09	-118.28	-119.88	3.12		
3.12E+09	-118.82	-119.64	3.12		
3.13E+09	-119.85	-119.70	3.13		
3.13E+09	-120.34	-118.99	3.13		
3.13E+09	-120.59	-120.18	3.13		

3-4 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power		Comparison	
No power line		cord on the ground		20-Dec	
on the ground		connecting shed		minus the Ambient scan	
9-Dec-10		20-Dec-10	Freq MHz	dBm	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	3.00	
3.13E+09	-120.84	-121.86	3.13		
3.14E+09	-121.35	-121.45	3.14		
3.14E+09	-118.98	-121.29	3.14		
3.14E+09	-121.04	-119.54	3.14		
3.14E+09	-119.42	-119.56	3.14		
3.15E+09	-119.10	-120.12	3.15		
3.15E+09	-120.72	-119.28	3.15		
3.15E+09	-119.43	-119.44	3.15		
3.15E+09	-118.79	-120.62	3.15		
3.16E+09	-120.78	-121.19	3.16		
3.16E+09	-120.29	-120.97	3.16		
3.16E+09	-118.54	-119.56	3.16		
3.16E+09	-118.83	-119.86	3.16		
3.17E+09	-119.85	-121.27	3.17		
3.17E+09	-120.63	-122.03	3.17		
3.17E+09	-120.41	-120.97	3.17		
3.17E+09	-119.10	-121.18	3.17		
3.18E+09	-119.97	-121.00	3.18		
3.18E+09	-120.51	-119.85	3.18		
3.18E+09	-120.01	-119.79	3.18		
3.18E+09	-119.96	-117.93	3.18		
3.19E+09	-121.19	-121.33	3.19		
3.19E+09	-120.80	-121.12	3.19		
3.19E+09	-119.38	-119.02	3.19		
3.19E+09	-119.41	-119.56	3.19		
3.20E+09	-120.22	-121.14	3.20		
3.20E+09	-119.51	-120.28	3.20		

3-4 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power	Comparison	
No power line		cord on the ground	20-Dec	
on the ground		connecting shed	minus the Ambient scan	
9-Dec-10	20-Dec-10	Freq MHz	dBm	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	3.00
3.20E+09	-118.74	-120.12	3.20	
3.20E+09	-119.41	-119.79	3.20	
3.21E+09	-119.06	-120.65	3.21	
3.21E+09	-119.57	-120.95	3.21	
3.21E+09	-120.00	-122.68	3.21	
3.21E+09	-120.93	-120.27	3.21	
3.22E+09	-120.28	-120.51	3.22	
3.22E+09	-120.83	-120.99	3.22	
3.22E+09	-119.93	-120.20	3.22	
3.22E+09	-118.80	-119.65	3.22	
3.23E+09	-119.23	-120.34	3.23	
3.23E+09	-121.62	-120.72	3.23	
3.23E+09	-120.38	-120.78	3.23	
3.23E+09	-120.33	-120.98	3.23	
3.24E+09	-119.75	-120.48	3.24	
3.24E+09	-119.66	-121.36	3.24	
3.24E+09	-120.30	-122.35	3.24	
3.24E+09	-119.21	-121.22	3.24	
3.25E+09	-120.31	-119.75	3.25	
3.25E+09	-120.68	-121.39	3.25	
3.25E+09	-121.35	-121.25	3.25	
3.25E+09	-120.46	-120.79	3.25	
3.26E+09	-120.58	-120.00	3.26	
3.26E+09	-118.50	-120.49	3.26	
3.26E+09	-120.29	-119.52	3.26	
3.26E+09	-119.25	-119.74	3.26	
3.27E+09	-120.16	-120.91	3.27	

3-4 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power		Comparison	
No power line		cord on the ground		20-Dec	
on the ground		connecting shed		minus the Ambient scan	
9-Dec-10		20-Dec-10	Freq MHz	dBm	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	3.00	
3.27E+09	-121.15	-119.04	3.27		
3.27E+09	-119.90	-120.57	3.27		
3.27E+09	-119.82	-120.25	3.27		
3.28E+09	-119.88	-119.79	3.28		
3.28E+09	-120.32	-120.30	3.28		
3.28E+09	-120.64	-119.16	3.28		
3.28E+09	-121.14	-120.65	3.28		
3.29E+09	-120.82	-121.27	3.29		
3.29E+09	-119.73	-119.89	3.29		
3.29E+09	-120.28	-121.11	3.29		
3.29E+09	-119.42	-120.49	3.29		
3.30E+09	-119.18	-119.97	3.30		
3.30E+09	-120.20	-120.50	3.30		
3.30E+09	-119.88	-121.06	3.30		
3.30E+09	-121.19	-123.16	3.30		
3.31E+09	-120.11	-120.49	3.31		
3.31E+09	-119.01	-120.88	3.31		
3.31E+09	-119.47	-121.83	3.31		
3.31E+09	-120.21	-120.77	3.31		
3.32E+09	-119.36	-119.47	3.32		
3.32E+09	-120.83	-119.52	3.32		
3.32E+09	-120.14	-121.34	3.32		
3.32E+09	-122.18	-120.43	3.32		
3.33E+09	-119.94	-121.48	3.33		
3.33E+09	-119.21	-119.51	3.33		
3.33E+09	-119.81	-121.40	3.33		
3.33E+09	-120.42	-119.78	3.33		

3-4 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power		Comparison	
No power line		cord on the ground		20-Dec	
on the ground		connecting shed		minus the Ambient scan	
9-Dec-10		20-Dec-10	Freq MHz	dBm	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	3.00	
3.34E+09	-120.07	-120.29	3.34		
3.34E+09	-121.09	-118.89	3.34		
3.34E+09	-120.94	-120.98	3.34		
3.34E+09	-121.54	-120.86	3.34		
3.35E+09	-119.22	-120.66	3.35		
3.35E+09	-120.60	-122.09	3.35		
3.35E+09	-119.17	-119.62	3.35		
3.35E+09	-119.70	-120.23	3.35		
3.36E+09	-119.07	-123.61	3.36	-4.54	
3.36E+09	-118.27	-120.52	3.36		
3.36E+09	-119.27	-121.59	3.36		
3.36E+09	-118.74	-120.59	3.36		
3.37E+09	-119.36	-120.13	3.37		
3.37E+09	-120.63	-120.46	3.37		
3.37E+09	-121.34	-120.93	3.37		
3.37E+09	-121.57	-120.55	3.37		
3.38E+09	-120.16	-119.88	3.38		
3.38E+09	-120.87	-121.43	3.38		
3.38E+09	-118.85	-121.12	3.38		
3.38E+09	-119.26	-119.49	3.38		
3.39E+09	-120.35	-122.51	3.39		
3.39E+09	-121.63	-120.91	3.39		
3.39E+09	-120.54	-119.56	3.39		
3.39E+09	-121.10	-120.43	3.39		
3.40E+09	-121.72	-120.51	3.40		
3.40E+09	-118.08	-122.46	3.40	-4.37	
3.40E+09	-120.07	-119.93	3.40		

3-4 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power	Comparison	
No power line		cord on the ground	20-Dec	
on the ground		connecting shed	minus the Ambient scan	
9-Dec-10	20-Dec-10	Freq MHz	dBm	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	3.00
3.40E+09	-120.45	-120.79	3.40	
3.41E+09	-120.08	-119.76	3.41	
3.41E+09	-120.33	-120.24	3.41	
3.41E+09	-121.62	-120.97	3.41	
3.41E+09	-121.09	-120.34	3.41	
3.42E+09	-118.17	-120.09	3.42	
3.42E+09	-120.46	-120.04	3.42	
3.42E+09	-120.11	-122.43	3.42	
3.42E+09	-120.89	-120.61	3.42	
3.43E+09	-120.59	-120.38	3.43	
3.43E+09	-121.02	-121.22	3.43	
3.43E+09	-120.77	-120.12	3.43	
3.43E+09	-121.05	-121.77	3.43	
3.44E+09	-119.60	-120.00	3.44	
3.44E+09	-120.64	-120.31	3.44	
3.44E+09	-120.51	-119.17	3.44	
3.44E+09	-118.44	-122.02	3.44	-3.57
3.45E+09	-120.57	-120.83	3.45	
3.45E+09	-120.71	-119.98	3.45	
3.45E+09	-118.93	-121.20	3.45	
3.45E+09	-120.15	-120.47	3.45	
3.46E+09	-121.06	-120.46	3.46	
3.46E+09	-120.49	-121.88	3.46	
3.46E+09	-120.91	-121.19	3.46	
3.46E+09	-120.78	-121.29	3.46	
3.47E+09	-120.01	-121.32	3.47	
3.47E+09	-119.85	-120.68	3.47	

3-4 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan 575' length of power				Comparison
No power line cord on the ground				20-Dec
on the ground connecting shed				minus the Ambient scan
9-Dec-10	20-Dec-10	Freq MHz		dBm
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	3.00
3.47E+09	-122.11	-121.97	3.47	
3.47E+09	-119.53	-121.73	3.47	
3.48E+09	-120.11	-122.54	3.48	
3.48E+09	-118.71	-120.65	3.48	
3.48E+09	-121.55	-120.02	3.48	
3.48E+09	-120.26	-119.90	3.48	
3.49E+09	-119.86	-119.79	3.49	
3.49E+09	-121.79	-120.10	3.49	
3.49E+09	-118.18	-121.95	3.49	-3.77
3.49E+09	-119.57	-122.58	3.49	-3.02
3.50E+09	-120.39	-121.72	3.50	
3.50E+09	-121.70	-120.83	3.50	
3.50E+09	-121.86	-119.43	3.50	
3.50E+09	-120.59	-121.12	3.50	
3.51E+09	-121.05	-118.73	3.51	
3.51E+09	-119.86	-119.79	3.51	
3.51E+09	-119.67	-120.79	3.51	
3.51E+09	-119.76	-121.05	3.51	
3.52E+09	-121.21	-121.90	3.52	
3.52E+09	-120.68	-120.30	3.52	
3.52E+09	-119.61	-119.57	3.52	
3.52E+09	-120.25	-120.26	3.52	
3.53E+09	-120.05	-118.93	3.53	
3.53E+09	-119.99	-119.96	3.53	
3.53E+09	-120.22	-122.05	3.53	
3.53E+09	-119.68	-121.80	3.53	
3.54E+09	-119.40	-121.61	3.54	

3-4 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power		Comparison	
No power line		cord on the ground		20-Dec	
on the ground		connecting shed		minus the Ambient scan	
9-Dec-10		20-Dec-10	Freq MHz	dBm	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	3.00	
3.54E+09	-119.78	-120.73	3.54		
3.54E+09	-119.80	-120.02	3.54		
3.54E+09	-121.74	-120.91	3.54		
3.55E+09	-118.28	-120.25	3.55		
3.55E+09	-120.40	-122.29	3.55		
3.55E+09	-120.35	-122.14	3.55		
3.55E+09	-121.32	-120.26	3.55		
3.56E+09	-120.29	-121.30	3.56		
3.56E+09	-122.19	-120.44	3.56		
3.56E+09	-121.10	-121.19	3.56		
3.56E+09	-119.88	-119.42	3.56		
3.57E+09	-120.01	-120.07	3.57		
3.57E+09	-121.44	-121.61	3.57		
3.57E+09	-120.04	-122.78	3.57		
3.57E+09	-121.22	-120.49	3.57		
3.58E+09	-121.44	-121.37	3.58		
3.58E+09	-120.29	-120.22	3.58		
3.58E+09	-119.30	-120.39	3.58		
3.58E+09	-120.09	-121.35	3.58		
3.59E+09	-119.56	-120.30	3.59		
3.59E+09	-120.30	-121.46	3.59		
3.59E+09	-119.06	-121.74	3.59		
3.59E+09	-120.36	-120.40	3.59		
3.60E+09	-119.81	-118.93	3.60		
3.60E+09	-118.90	-119.74	3.60		
3.60E+09	-120.29	-120.48	3.60		
3.60E+09	-120.33	-121.24	3.60		

3-4 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power		Comparison	
No power line		cord on the ground		20-Dec	
on the ground		connecting shed		minus the Ambient scan	
9-Dec-10		20-Dec-10	Freq MHz	dBm	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	3.00	
3.61E+09	-119.49	-119.76	3.61		
3.61E+09	-119.43	-121.75	3.61		
3.61E+09	-119.83	-120.69	3.61		
3.61E+09	-119.75	-121.42	3.61		
3.62E+09	-119.41	-120.87	3.62		
3.62E+09	-119.62	-120.88	3.62		
3.62E+09	-119.64	-119.58	3.62		
3.62E+09	-119.80	-120.59	3.62		
3.63E+09	-121.70	-120.69	3.63		
3.63E+09	-119.35	-120.42	3.63		
3.63E+09	-118.78	-120.59	3.63		
3.63E+09	-117.96	-119.33	3.63		
3.64E+09	-120.15	-120.25	3.64		
3.64E+09	-120.24	-119.17	3.64		
3.64E+09	-121.38	-120.30	3.64		
3.64E+09	-120.37	-121.85	3.64		
3.65E+09	-120.54	-119.78	3.65		
3.65E+09	-119.54	-120.19	3.65		
3.65E+09	-118.92	-121.95	3.65	-3.03	
3.65E+09	-120.99	-120.36	3.65		
3.66E+09	-120.03	-119.79	3.66		
3.66E+09	-119.50	-119.35	3.66		
3.66E+09	-120.28	-119.99	3.66		
3.66E+09	-119.61	-121.72	3.66		
3.67E+09	-119.91	-121.11	3.67		
3.67E+09	-119.33	-119.75	3.67		
3.67E+09	-119.91	-119.61	3.67		

3-4 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

				Ambient Scan	575' length of power	Comparison
				No power line	cord on the ground	20-Dec
				on the ground	connecting shed	minus the Ambient scan
				9-Dec-10	20-Dec-10	Freq MHz
						dBm
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >			3.00
3.67E+09	-120.03	-119.99	3.67			
3.68E+09	-120.74	-119.85	3.68			
3.68E+09	-119.33	-120.10	3.68			
3.68E+09	-120.65	-120.19	3.68			
3.68E+09	-120.32	-120.86	3.68			
3.69E+09	-119.84	-120.43	3.69			
3.69E+09	-119.97	-120.78	3.69			
3.69E+09	-121.15	-121.46	3.69			
3.69E+09	-122.43	-119.03	3.69			3.41
3.70E+09	-120.01	-119.57	3.70			
3.70E+09	-120.21	-119.60	3.70			
3.70E+09	-119.44	-119.58	3.70			
3.70E+09	-119.26	-120.27	3.70			
3.71E+09	-119.89	-120.43	3.71			
3.71E+09	-121.08	-120.71	3.71			
3.71E+09	-119.96	-119.64	3.71			
3.71E+09	-120.15	-119.44	3.71			
3.72E+09	-119.50	-119.50	3.72			
3.72E+09	-118.89	-120.92	3.72			
3.72E+09	-118.39	-121.25	3.72			
3.72E+09	-118.30	-120.36	3.72			
3.73E+09	-120.59	-121.58	3.73			
3.73E+09	-119.08	-120.68	3.73			
3.73E+09	-119.90	-119.44	3.73			
3.73E+09	-120.06	-120.70	3.73			
3.74E+09	-120.41	-119.22	3.74			
3.74E+09	-119.49	-120.18	3.74			

3-4 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power		Comparison	
No power line		cord on the ground		20-Dec	
on the ground		connecting shed		minus the Ambient scan	
9-Dec-10		20-Dec-10	Freq MHz	dBm	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	3.00	
3.74E+09	-119.40	-120.67	3.74		
3.74E+09	-119.62	-122.56	3.74		
3.75E+09	-119.74	-122.38	3.75		
3.75E+09	-121.48	-120.68	3.75		
3.75E+09	-118.86	-119.92	3.75		
3.75E+09	-119.04	-120.78	3.75		
3.76E+09	-119.70	-119.49	3.76		
3.76E+09	-119.48	-120.33	3.76		
3.76E+09	-120.10	-120.51	3.76		
3.76E+09	-119.31	-119.89	3.76		
3.77E+09	-120.10	-121.14	3.77		
3.77E+09	-120.25	-119.78	3.77		
3.77E+09	-120.58	-120.39	3.77		
3.77E+09	-119.89	-119.09	3.77		
3.78E+09	-119.38	-121.13	3.78		
3.78E+09	-119.83	-120.82	3.78		
3.78E+09	-119.97	-119.87	3.78		
3.78E+09	-119.10	-119.86	3.78		
3.79E+09	-118.89	-119.87	3.79		
3.79E+09	-121.36	-120.66	3.79		
3.79E+09	-118.77	-119.45	3.79		
3.79E+09	-119.71	-120.56	3.79		
3.80E+09	-120.11	-121.45	3.80		
3.80E+09	-119.19	-120.08	3.80		
3.80E+09	-120.85	-121.38	3.80		
3.80E+09	-119.37	-121.53	3.80		
3.81E+09	-120.19	-120.19	3.81		

3-4 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power		Comparison	
No power line		cord on the ground		20-Dec	
on the ground		connecting shed		minus the Ambient scan	
9-Dec-10		20-Dec-10	Freq MHz	dBm	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	3.00	
3.81E+09	-119.35	-119.82	3.81		
3.81E+09	-119.70	-120.13	3.81		
3.81E+09	-120.12	-120.55	3.81		
3.82E+09	-120.77	-119.33	3.82		
3.82E+09	-120.15	-121.09	3.82		
3.82E+09	-120.47	-121.94	3.82		
3.82E+09	-119.91	-120.68	3.82		
3.83E+09	-119.26	-120.68	3.83		
3.83E+09	-117.79	-120.70	3.83		
3.83E+09	-119.98	-120.54	3.83		
3.83E+09	-119.41	-120.63	3.83		
3.84E+09	-121.40	-121.03	3.84		
3.84E+09	-119.10	-119.68	3.84		
3.84E+09	-119.82	-120.70	3.84		
3.84E+09	-120.66	-120.20	3.84		
3.85E+09	-120.07	-120.62	3.85		
3.85E+09	-118.64	-122.10	3.85	-3.46	
3.85E+09	-119.36	-120.44	3.85		
3.85E+09	-121.04	-118.88	3.85		
3.86E+09	-119.74	-121.00	3.86		
3.86E+09	-119.82	-120.06	3.86		
3.86E+09	-119.53	-120.25	3.86		
3.86E+09	-119.20	-121.54	3.86		
3.87E+09	-119.25	-119.43	3.87		
3.87E+09	-121.69	-120.95	3.87		
3.87E+09	-120.41	-119.52	3.87		
3.87E+09	-121.29	-120.52	3.87		

3-4 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power		Comparison	
No power line		cord on the ground		20-Dec	
on the ground		connecting shed		minus the Ambient scan	
9-Dec-10		20-Dec-10	Freq MHz	dBm	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	3.00	
3.88E+09	-120.49	-120.98	3.88		
3.88E+09	-121.00	-120.31	3.88		
3.88E+09	-118.44	-120.22	3.88		
3.88E+09	-121.19	-119.44	3.88		
3.89E+09	-119.98	-120.27	3.89		
3.89E+09	-120.67	-120.38	3.89		
3.89E+09	-122.44	-121.86	3.89		
3.89E+09	-121.13	-120.31	3.89		
3.90E+09	-119.79	-121.34	3.90		
3.90E+09	-118.78	-121.25	3.90		
3.90E+09	-119.49	-118.79	3.90		
3.90E+09	-121.27	-120.44	3.90		
3.91E+09	-121.07	-119.88	3.91		
3.91E+09	-119.96	-121.04	3.91		
3.91E+09	-119.43	-120.22	3.91		
3.91E+09	-119.41	-120.39	3.91		
3.92E+09	-121.53	-119.42	3.92		
3.92E+09	-119.09	-119.01	3.92		
3.92E+09	-119.95	-120.06	3.92		
3.92E+09	-118.99	-119.97	3.92		
3.93E+09	-120.35	-120.16	3.93		
3.93E+09	-119.62	-119.36	3.93		
3.93E+09	-122.30	-120.63	3.93		
3.93E+09	-119.78	-120.02	3.93		
3.94E+09	-121.14	-120.88	3.94		
3.94E+09	-119.73	-118.99	3.94		
3.94E+09	-119.76	-118.78	3.94		

3-4 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power		Comparison	
No power line		cord on the ground		20-Dec	
on the ground		connecting shed		minus the Ambient scan	
9-Dec-10		20-Dec-10		Freq MHz	
				dBm	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	3.00	
3.94E+09	-118.95	-121.09	3.94		
3.95E+09	-122.09	-119.96	3.95		
3.95E+09	-120.74	-121.20	3.95		
3.95E+09	-120.08	-120.16	3.95		
3.95E+09	-120.23	-120.79	3.95		
3.96E+09	-119.04	-119.92	3.96		
3.96E+09	-119.57	-120.61	3.96		
3.96E+09	-118.94	-121.32	3.96		
3.96E+09	-121.58	-119.33	3.96		
3.97E+09	-118.85	-121.01	3.97		
3.97E+09	-120.61	-121.89	3.97		
3.97E+09	-119.28	-120.37	3.97		
3.97E+09	-120.45	-120.30	3.97		
3.98E+09	-119.55	-120.97	3.98		
3.98E+09	-120.03	-120.50	3.98		
3.98E+09	-121.61	-120.03	3.98		
3.98E+09	-119.83	-120.12	3.98		
3.99E+09	-120.79	-119.71	3.99		
3.99E+09	-118.76	-120.25	3.99		
3.99E+09	-119.62	-119.87	3.99		
3.99E+09	-118.93	-121.13	3.99		
4.00E+09	-118.50	-120.43	4.00		
4.00E+09	-121.01	-119.93	4.00		
4.00E+09	-120.45	-120.61	4.00		
			Sum of Column	-25.62	

Attenuation (dB)
 0.00E+00

Center Frequency (Hz)
 3.50E+09

Date/Time
 12/20/2010 14:02

Instrument Model
 E4407B

Instrument Serial Number
 MY45116875

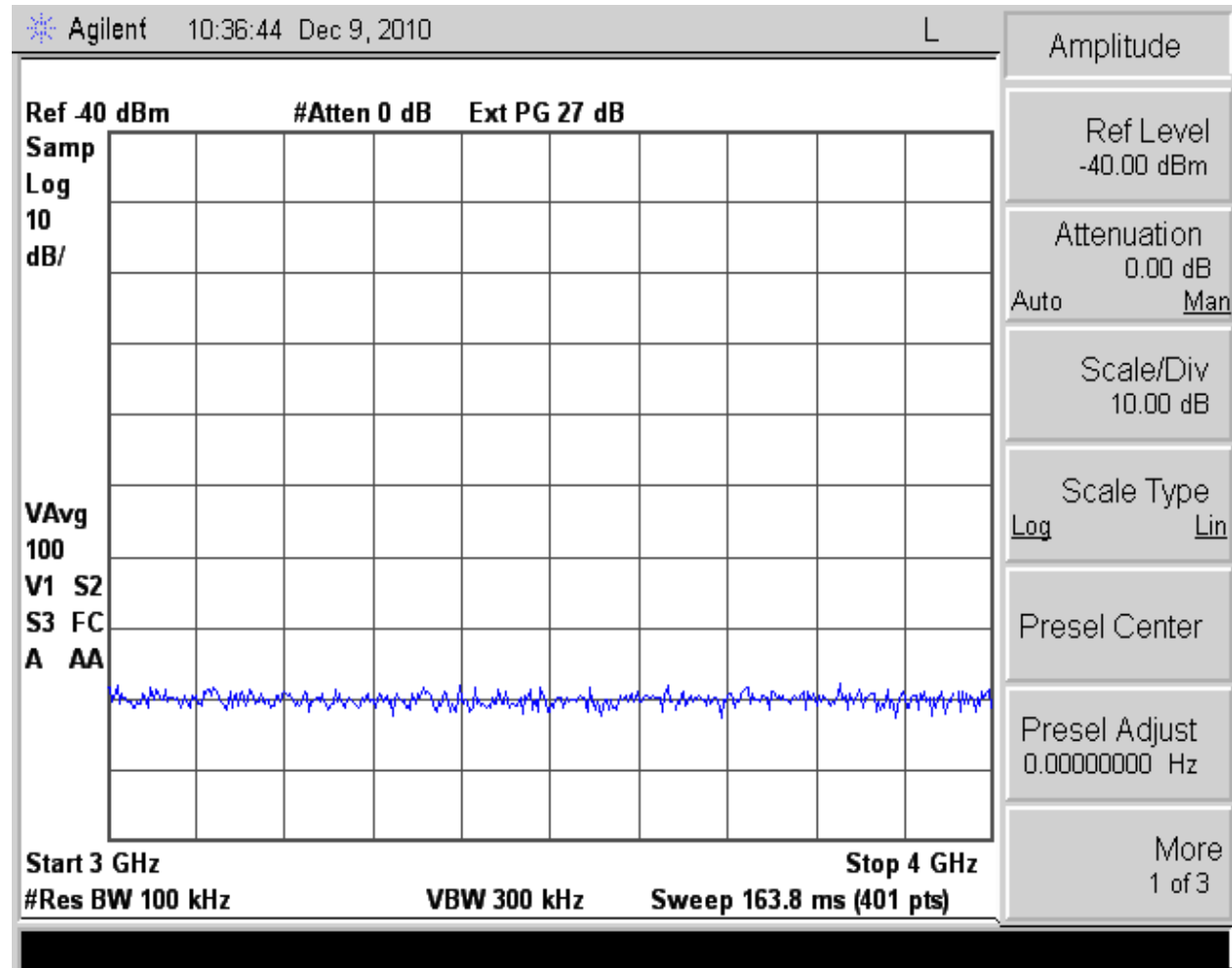
Reference Level (dBm)
 -4.00E+01

Resolution BW (Hz)
 1.00E+05

Scale Type
 LOG

Span Frequency (Hz)
 1.00E+09

Start Frequency (Hz)
 3.00E+09

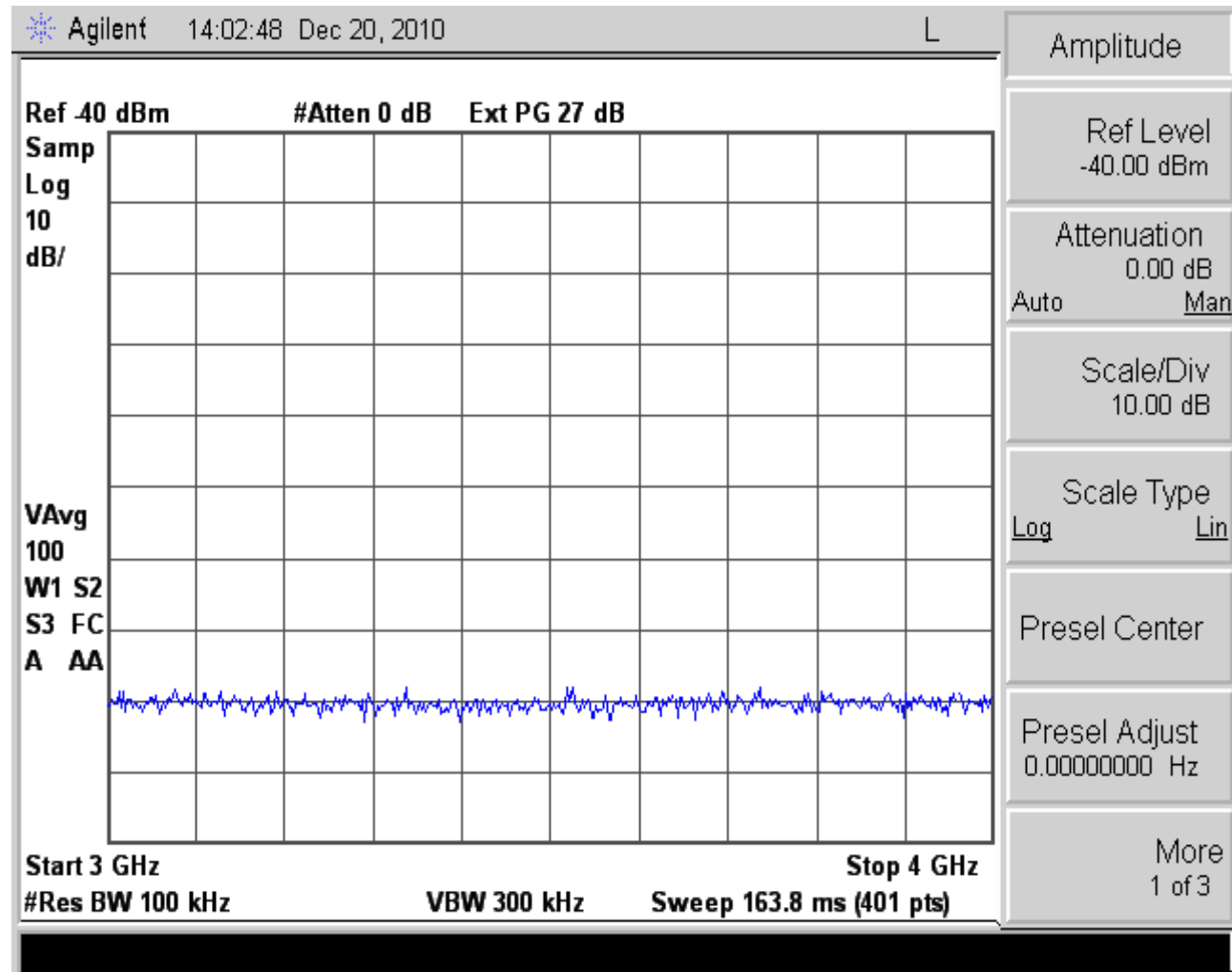


Stop Frequency (Hz)
4.00E+09

Sweep Number Of Points
401

Sweep Time (seconds)
1.64E-01

Video BW (Hz)
3.00E+05



4-5 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power		Comparison	
No power line		cord on the ground		20-Dec	
on the ground		connecting shed		minus the Ambient scan	
9-Dec-10		20-Dec-10	Freq MHz	dBm	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	3.00	
4.00E+09	-120.37	-117.94	4.00		
4.00E+09	-120.00	-119.19	4.00		
4.01E+09	-119.07	-119.36	4.01		
4.01E+09	-120.32	-120.36	4.01		
4.01E+09	-118.92	-119.69	4.01		
4.01E+09	-120.27	-119.20	4.01		
4.02E+09	-119.93	-118.65	4.02		
4.02E+09	-119.69	-119.15	4.02		
4.02E+09	-120.07	-120.03	4.02		
4.02E+09	-119.27	-120.51	4.02		
4.03E+09	-119.27	-120.53	4.03		
4.03E+09	-120.14	-119.84	4.03		
4.03E+09	-120.56	-119.09	4.03		
4.03E+09	-120.01	-119.96	4.03		
4.04E+09	-120.21	-120.03	4.04		
4.04E+09	-119.42	-119.19	4.04		
4.04E+09	-120.13	-120.91	4.04		
4.04E+09	-119.73	-119.37	4.04		
4.05E+09	-119.70	-119.94	4.05		
4.05E+09	-118.54	-120.42	4.05		
4.05E+09	-120.83	-121.14	4.05		
4.05E+09	-119.97	-119.71	4.05		
4.06E+09	-121.02	-118.37	4.06		
4.06E+09	-119.39	-119.88	4.06		
4.06E+09	-120.37	-119.07	4.06		
4.06E+09	-119.02	-119.51	4.06		
4.07E+09	-119.20	-118.82	4.07		

4-5 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power		Comparison	
No power line		cord on the ground		20-Dec	
on the ground		connecting shed		minus the Ambient scan	
9-Dec-10		20-Dec-10	Freq MHz	dBm	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	3.00	
4.07E+09	-119.19	-120.64	4.07		
4.07E+09	-120.14	-119.31	4.07		
4.07E+09	-119.86	-119.00	4.07		
4.08E+09	-120.87	-119.57	4.08		
4.08E+09	-119.81	-119.74	4.08		
4.08E+09	-120.20	-120.69	4.08		
4.08E+09	-120.09	-120.71	4.08		
4.09E+09	-119.39	-119.29	4.09		
4.09E+09	-120.57	-120.07	4.09		
4.09E+09	-118.99	-119.39	4.09		
4.09E+09	-120.43	-119.82	4.09		
4.10E+09	-120.93	-118.78	4.10		
4.10E+09	-119.74	-119.92	4.10		
4.10E+09	-119.24	-120.27	4.10		
4.10E+09	-119.14	-118.90	4.10		
4.11E+09	-119.59	-119.81	4.11		
4.11E+09	-121.14	-118.93	4.11		
4.11E+09	-121.15	-120.05	4.11		
4.11E+09	-120.54	-118.98	4.11		
4.12E+09	-120.47	-120.13	4.12		
4.12E+09	-120.63	-121.45	4.12		
4.12E+09	-118.78	-120.42	4.12		
4.12E+09	-119.97	-119.14	4.12		
4.13E+09	-121.35	-119.98	4.13		
4.13E+09	-119.93	-118.67	4.13		
4.13E+09	-119.68	-118.74	4.13		
4.13E+09	-120.69	-118.74	4.13		

4-5 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power		Comparison	
No power line		cord on the ground		20-Dec	
on the ground		connecting shed		minus the Ambient scan	
9-Dec-10		20-Dec-10	Freq MHz	dBm	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	3.00	
4.14E+09	-119.50	-118.49	4.14		
4.14E+09	-120.91	-121.27	4.14		
4.14E+09	-119.57	-120.03	4.14		
4.14E+09	-120.51	-118.98	4.14		
4.15E+09	-119.41	-119.02	4.15		
4.15E+09	-120.53	-119.24	4.15		
4.15E+09	-120.80	-118.87	4.15		
4.15E+09	-119.85	-120.61	4.15		
4.16E+09	-119.89	-120.01	4.16		
4.16E+09	-120.04	-119.53	4.16		
4.16E+09	-120.91	-119.47	4.16		
4.16E+09	-121.32	-120.11	4.16		
4.17E+09	-118.05	-119.16	4.17		
4.17E+09	-120.50	-119.56	4.17		
4.17E+09	-118.37	-119.00	4.17		
4.17E+09	-119.95	-119.96	4.17		
4.18E+09	-119.90	-119.60	4.18		
4.18E+09	-119.50	-119.36	4.18		
4.18E+09	-119.09	-120.77	4.18		
4.18E+09	-119.78	-119.08	4.18		
4.19E+09	-120.42	-119.67	4.19		
4.19E+09	-119.45	-119.64	4.19		
4.19E+09	-120.29	-121.07	4.19		
4.19E+09	-121.73	-121.03	4.19		
4.20E+09	-120.73	-121.10	4.20		
4.20E+09	-119.40	-119.03	4.20		
4.20E+09	-120.42	-119.15	4.20		

4-5 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power		Comparison	
No power line		cord on the ground		20-Dec	
on the ground		connecting shed		minus the Ambient scan	
9-Dec-10		20-Dec-10	Freq MHz	dBm	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	3.00	
4.20E+09	-119.11	-121.15	4.20		
4.21E+09	-119.44	-118.96	4.21		
4.21E+09	-120.81	-120.31	4.21		
4.21E+09	-120.75	-119.33	4.21		
4.21E+09	-119.80	-120.03	4.21		
4.22E+09	-120.38	-119.88	4.22		
4.22E+09	-119.79	-120.01	4.22		
4.22E+09	-121.29	-119.38	4.22		
4.22E+09	-120.03	-119.36	4.22		
4.23E+09	-119.30	-119.76	4.23		
4.23E+09	-119.59	-120.78	4.23		
4.23E+09	-119.13	-119.46	4.23		
4.23E+09	-120.04	-119.65	4.23		
4.24E+09	-120.28	-120.99	4.24		
4.24E+09	-120.05	-119.19	4.24		
4.24E+09	-120.03	-119.61	4.24		
4.24E+09	-120.00	-119.24	4.24		
4.25E+09	-120.07	-119.77	4.25		
4.25E+09	-119.34	-119.89	4.25		
4.25E+09	-120.97	-120.32	4.25		
4.25E+09	-119.14	-119.52	4.25		
4.26E+09	-119.86	-120.19	4.26		
4.26E+09	-119.30	-119.38	4.26		
4.26E+09	-119.52	-118.95	4.26		
4.26E+09	-120.07	-119.36	4.26		
4.27E+09	-121.18	-118.35	4.27		
4.27E+09	-120.79	-120.75	4.27		

4-5 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power		Comparison	
No power line		cord on the ground		20-Dec	
on the ground		connecting shed		minus the Ambient scan	
9-Dec-10		20-Dec-10	Freq MHz	dBm	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	3.00	
4.27E+09	-119.41	-119.72	4.27		
4.27E+09	-119.27	-119.76	4.27		
4.28E+09	-121.09	-119.10	4.28		
4.28E+09	-119.76	-120.68	4.28		
4.28E+09	-119.54	-119.92	4.28		
4.28E+09	-120.04	-118.97	4.28		
4.29E+09	-120.42	-118.46	4.29		
4.29E+09	-120.02	-119.56	4.29		
4.29E+09	-122.34	-120.93	4.29		
4.29E+09	-119.03	-119.51	4.29		
4.30E+09	-119.37	-118.94	4.30		
4.30E+09	-119.38	-119.76	4.30		
4.30E+09	-118.91	-118.95	4.30		
4.30E+09	-121.43	-120.10	4.30		
4.31E+09	-120.41	-120.32	4.31		
4.31E+09	-120.91	-121.43	4.31		
4.31E+09	-119.53	-119.75	4.31		
4.31E+09	-120.22	-120.09	4.31		
4.32E+09	-118.35	-118.98	4.32		
4.32E+09	-120.59	-118.60	4.32		
4.32E+09	-120.46	-119.82	4.32		
4.32E+09	-120.40	-119.62	4.32		
4.33E+09	-120.90	-119.47	4.33		
4.33E+09	-120.37	-120.13	4.33		
4.33E+09	-120.29	-120.45	4.33		
4.33E+09	-120.07	-120.63	4.33		
4.34E+09	-120.20	-119.63	4.34		

4-5 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power		Comparison	
No power line		cord on the ground		20-Dec	
on the ground		connecting shed		minus the Ambient scan	
9-Dec-10		20-Dec-10	Freq MHz	dBm	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	3.00	
4.34E+09	-119.18	-119.35	4.34		
4.34E+09	-120.65	-119.53	4.34		
4.34E+09	-119.84	-119.48	4.34		
4.35E+09	-119.55	-120.72	4.35		
4.35E+09	-118.04	-120.47	4.35		
4.35E+09	-119.86	-119.09	4.35		
4.35E+09	-120.49	-121.96	4.35		
4.36E+09	-119.96	-118.99	4.36		
4.36E+09	-118.95	-119.56	4.36		
4.36E+09	-118.97	-120.74	4.36		
4.36E+09	-121.34	-119.65	4.36		
4.37E+09	-120.69	-119.75	4.37		
4.37E+09	-121.12	-121.96	4.37		
4.37E+09	-118.86	-120.23	4.37		
4.37E+09	-120.32	-120.09	4.37		
4.38E+09	-120.15	-120.07	4.38		
4.38E+09	-119.07	-118.80	4.38		
4.38E+09	-120.15	-120.50	4.38		
4.38E+09	-118.74	-121.10	4.38		
4.39E+09	-118.85	-121.14	4.39		
4.39E+09	-121.53	-120.63	4.39		
4.39E+09	-119.81	-120.29	4.39		
4.39E+09	-120.55	-120.09	4.39		
4.40E+09	-120.09	-119.14	4.40		
4.40E+09	-120.54	-119.76	4.40		
4.40E+09	-121.95	-119.07	4.40		
4.40E+09	-121.19	-119.45	4.40		

4-5 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power		Comparison	
No power line		cord on the ground		20-Dec	
on the ground		connecting shed		minus the Ambient scan	
9-Dec-10		20-Dec-10	Freq MHz	dBm	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	3.00	
4.41E+09	-119.22	-121.01	4.41		
4.41E+09	-120.31	-120.62	4.41		
4.41E+09	-121.23	-120.59	4.41		
4.41E+09	-119.61	-120.15	4.41		
4.42E+09	-119.16	-120.21	4.42		
4.42E+09	-118.94	-120.16	4.42		
4.42E+09	-118.60	-118.90	4.42		
4.42E+09	-119.78	-120.65	4.42		
4.43E+09	-120.04	-119.68	4.43		
4.43E+09	-121.46	-119.26	4.43		
4.43E+09	-119.76	-120.17	4.43		
4.43E+09	-119.97	-118.81	4.43		
4.44E+09	-119.53	-120.00	4.44		
4.44E+09	-120.39	-119.94	4.44		
4.44E+09	-119.94	-121.38	4.44		
4.44E+09	-120.35	-119.19	4.44		
4.45E+09	-120.56	-119.16	4.45		
4.45E+09	-123.23	-118.83	4.45	4.39	
4.45E+09	-121.58	-120.02	4.45		
4.45E+09	-120.70	-119.79	4.45		
4.46E+09	-119.29	-120.12	4.46		
4.46E+09	-120.55	-119.83	4.46		
4.46E+09	-120.54	-120.92	4.46		
4.46E+09	-120.61	-119.51	4.46		
4.47E+09	-119.44	-120.80	4.47		
4.47E+09	-119.70	-119.89	4.47		
4.47E+09	-120.12	-120.05	4.47		

4-5 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power		Comparison	
No power line		cord on the ground		20-Dec	
on the ground		connecting shed		minus the Ambient scan	
9-Dec-10		20-Dec-10	Freq MHz	dBm	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	3.00	
4.47E+09	-120.37	-119.28	4.47		
4.48E+09	-120.52	-119.81	4.48		
4.48E+09	-118.59	-120.72	4.48		
4.48E+09	-120.72	-120.86	4.48		
4.48E+09	-121.21	-120.87	4.48		
4.49E+09	-119.66	-120.30	4.49		
4.49E+09	-121.12	-119.81	4.49		
4.49E+09	-120.29	-119.14	4.49		
4.49E+09	-121.56	-121.31	4.49		
4.50E+09	-120.22	-120.63	4.50		
4.50E+09	-120.73	-119.94	4.50		
4.50E+09	-121.06	-119.48	4.50		
4.50E+09	-119.93	-120.39	4.50		
4.51E+09	-121.05	-120.34	4.51		
4.51E+09	-119.25	-119.12	4.51		
4.51E+09	-120.81	-119.83	4.51		
4.51E+09	-120.85	-120.57	4.51		
4.52E+09	-120.75	-121.44	4.52		
4.52E+09	-120.67	-120.14	4.52		
4.52E+09	-121.57	-119.94	4.52		
4.52E+09	-120.44	-119.28	4.52		
4.53E+09	-119.61	-119.59	4.53		
4.53E+09	-120.47	-118.94	4.53		
4.53E+09	-121.44	-120.21	4.53		
4.53E+09	-121.24	-120.78	4.53		
4.54E+09	-121.59	-119.40	4.54		
4.54E+09	-121.20	-119.26	4.54		

4-5 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power		Comparison	
No power line		cord on the ground		20-Dec	
on the ground		connecting shed		minus the Ambient scan	
9-Dec-10		20-Dec-10	Freq MHz	dBm	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	3.00	
4.54E+09	-120.21	-120.19	4.54		
4.54E+09	-119.97	-119.57	4.54		
4.55E+09	-119.42	-119.55	4.55		
4.55E+09	-121.22	-119.29	4.55		
4.55E+09	-121.28	-121.45	4.55		
4.55E+09	-120.17	-119.84	4.55		
4.56E+09	-120.51	-119.84	4.56		
4.56E+09	-121.78	-118.98	4.56		
4.56E+09	-119.80	-119.15	4.56		
4.56E+09	-120.00	-120.38	4.56		
4.57E+09	-119.20	-118.63	4.57		
4.57E+09	-119.24	-120.67	4.57		
4.57E+09	-119.57	-120.85	4.57		
4.57E+09	-120.22	-120.19	4.57		
4.58E+09	-119.93	-120.38	4.58		
4.58E+09	-120.10	-120.32	4.58		
4.58E+09	-119.18	-120.09	4.58		
4.58E+09	-120.42	-120.00	4.58		
4.59E+09	-120.16	-119.89	4.59		
4.59E+09	-120.81	-121.17	4.59		
4.59E+09	-120.38	-120.92	4.59		
4.59E+09	-118.53	-120.63	4.59		
4.60E+09	-120.67	-120.41	4.60		
4.60E+09	-119.02	-119.86	4.60		
4.60E+09	-119.97	-120.73	4.60		
4.60E+09	-120.35	-119.14	4.60		
4.61E+09	-120.05	-119.91	4.61		

4-5 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power		Comparison	
No power line		cord on the ground		20-Dec	
on the ground		connecting shed		minus the Ambient scan	
9-Dec-10	20-Dec-10	Freq MHz		dBm	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	3.00	
4.61E+09	-120.92	-121.36	4.61		
4.61E+09	-120.10	-120.12	4.61		
4.61E+09	-120.82	-120.31	4.61		
4.62E+09	-118.61	-119.62	4.62		
4.62E+09	-121.77	-118.33	4.62	3.43	
4.62E+09	-120.63	-120.19	4.62		
4.62E+09	-121.38	-120.36	4.62		
4.63E+09	-120.17	-120.34	4.63		
4.63E+09	-120.17	-120.83	4.63		
4.63E+09	-119.47	-120.55	4.63		
4.63E+09	-120.84	-120.09	4.63		
4.64E+09	-120.69	-120.41	4.64		
4.64E+09	-120.15	-119.11	4.64		
4.64E+09	-121.14	-120.27	4.64		
4.64E+09	-119.72	-119.60	4.64		
4.65E+09	-120.56	-120.34	4.65		
4.65E+09	-121.32	-120.06	4.65		
4.65E+09	-119.69	-119.85	4.65		
4.65E+09	-120.22	-119.93	4.65		
4.66E+09	-120.76	-119.89	4.66		
4.66E+09	-119.12	-118.90	4.66		
4.66E+09	-120.41	-119.24	4.66		
4.66E+09	-121.20	-118.73	4.66		
4.67E+09	-120.09	-120.23	4.67		
4.67E+09	-121.22	-120.59	4.67		
4.67E+09	-120.30	-120.13	4.67		
4.67E+09	-121.11	-119.73	4.67		

4-5 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power		Comparison	
No power line		cord on the ground		20-Dec	
on the ground		connecting shed		minus the Ambient scan	
9-Dec-10		20-Dec-10	Freq MHz	dBm	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	3.00	
4.68E+09	-120.45	-120.42	4.68		
4.68E+09	-118.85	-120.80	4.68		
4.68E+09	-121.00	-120.59	4.68		
4.68E+09	-121.66	-121.09	4.68		
4.69E+09	-119.16	-119.79	4.69		
4.69E+09	-120.66	-119.94	4.69		
4.69E+09	-121.35	-120.88	4.69		
4.69E+09	-120.80	-120.50	4.69		
4.70E+09	-119.96	-119.25	4.70		
4.70E+09	-112.60	-119.73	4.70	-7.13	
4.70E+09	-115.90	-120.75	4.70	-4.85	
4.70E+09	-120.05	-119.60	4.70		
4.71E+09	-122.43	-120.48	4.71		
4.71E+09	-120.37	-122.69	4.71		
4.71E+09	-121.40	-120.07	4.71		
4.71E+09	-120.56	-120.51	4.71		
4.72E+09	-120.93	-119.78	4.72		
4.72E+09	-121.05	-121.57	4.72		
4.72E+09	-119.93	-120.32	4.72		
4.72E+09	-120.07	-120.26	4.72		
4.73E+09	-121.40	-120.32	4.73		
4.73E+09	-119.83	-120.65	4.73		
4.73E+09	-121.36	-120.23	4.73		
4.73E+09	-119.74	-120.46	4.73		
4.74E+09	-121.49	-119.44	4.74		
4.74E+09	-121.10	-120.36	4.74		
4.74E+09	-120.35	-120.87	4.74		

4-5 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power		Comparison	
No power line		cord on the ground		20-Dec	
on the ground		connecting shed		minus the Ambient scan	
9-Dec-10		20-Dec-10	Freq MHz	dBm	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	3.00	
4.74E+09	-121.07	-120.23	4.74		
4.75E+09	-119.77	-120.53	4.75		
4.75E+09	-121.88	-122.20	4.75		
4.75E+09	-121.84	-120.57	4.75		
4.75E+09	-122.11	-119.95	4.75		
4.76E+09	-120.28	-119.38	4.76		
4.76E+09	-121.17	-119.82	4.76		
4.76E+09	-119.57	-119.56	4.76		
4.76E+09	-120.50	-121.86	4.76		
4.77E+09	-120.34	-120.19	4.77		
4.77E+09	-120.07	-121.13	4.77		
4.77E+09	-120.69	-120.38	4.77		
4.77E+09	-120.79	-120.48	4.77		
4.78E+09	-120.66	-119.30	4.78		
4.78E+09	-120.34	-121.54	4.78		
4.78E+09	-120.89	-121.35	4.78		
4.78E+09	-120.48	-119.35	4.78		
4.79E+09	-120.74	-119.67	4.79		
4.79E+09	-120.30	-120.47	4.79		
4.79E+09	-120.63	-118.70	4.79		
4.79E+09	-120.28	-120.54	4.79		
4.80E+09	-120.48	-119.93	4.80		
4.80E+09	-120.67	-122.31	4.80		
4.80E+09	-121.37	-120.29	4.80		
4.80E+09	-121.14	-119.84	4.80		
4.81E+09	-120.35	-119.72	4.81		
4.81E+09	-121.71	-119.76	4.81		

4-5 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power		Comparison	
No power line		cord on the ground		20-Dec	
on the ground		connecting shed		minus the Ambient scan	
9-Dec-10		20-Dec-10	Freq MHz	dBm	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	3.00	
4.81E+09	-120.65	-122.17	4.81		
4.81E+09	-119.58	-120.80	4.81		
4.82E+09	-120.07	-120.91	4.82		
4.82E+09	-121.30	-119.89	4.82		
4.82E+09	-120.76	-118.90	4.82		
4.82E+09	-120.64	-119.58	4.82		
4.83E+09	-120.42	-119.38	4.83		
4.83E+09	-121.18	-120.36	4.83		
4.83E+09	-119.19	-121.21	4.83		
4.83E+09	-119.50	-119.89	4.83		
4.84E+09	-120.69	-120.82	4.84		
4.84E+09	-121.00	-121.10	4.84		
4.84E+09	-119.55	-120.53	4.84		
4.84E+09	-119.94	-119.82	4.84		
4.85E+09	-121.87	-119.79	4.85		
4.85E+09	-120.30	-120.12	4.85		
4.85E+09	-120.89	-121.22	4.85		
4.85E+09	-120.19	-120.34	4.85		
4.86E+09	-120.36	-120.63	4.86		
4.86E+09	-120.32	-121.01	4.86		
4.86E+09	-122.14	-119.91	4.86		
4.86E+09	-120.31	-120.42	4.86		
4.87E+09	-121.69	-120.49	4.87		
4.87E+09	-120.91	-118.85	4.87		
4.87E+09	-120.55	-120.55	4.87		
4.87E+09	-120.61	-121.05	4.87		
4.88E+09	-122.02	-120.48	4.88		

4-5 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

	Ambient Scan No power line on the ground 9-Dec-10	575' length of power cord on the ground connecting shed 20-Dec-10	Freq MHz	Comparison 20-Dec minus the Ambient scan dBm
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	3.00
4.88E+09	-119.82	-121.52	4.88	
4.88E+09	-120.87	-120.62	4.88	
4.88E+09	-120.85	-119.68	4.88	
4.89E+09	-120.64	-121.14	4.89	
4.89E+09	-120.94	-119.46	4.89	
4.89E+09	-120.97	-120.67	4.89	
4.89E+09	-121.27	-120.06	4.89	
4.90E+09	-120.53	-120.00	4.90	
4.90E+09	-120.49	-120.38	4.90	
4.90E+09	-118.74	-119.87	4.90	
4.90E+09	-120.75	-120.40	4.90	
4.91E+09	-118.85	-120.05	4.91	
4.91E+09	-121.45	-120.49	4.91	
4.91E+09	-120.85	-120.71	4.91	
4.91E+09	-120.29	-120.73	4.91	
4.92E+09	-122.29	-120.36	4.92	
4.92E+09	-119.74	-120.30	4.92	
4.92E+09	-120.18	-120.13	4.92	
4.92E+09	-120.68	-120.63	4.92	
4.93E+09	-119.68	-120.03	4.93	
4.93E+09	-119.85	-119.72	4.93	
4.93E+09	-120.68	-120.86	4.93	
4.93E+09	-121.28	-120.43	4.93	
4.94E+09	-120.19	-120.80	4.94	
4.94E+09	-120.32	-119.35	4.94	
4.94E+09	-121.32	-119.93	4.94	
4.94E+09	-121.13	-120.32	4.94	

4-5 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power		Comparison	
No power line		cord on the ground		20-Dec	
on the ground		connecting shed		minus the Ambient scan	
9-Dec-10		20-Dec-10	Freq MHz	dBm	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	3.00	
4.95E+09	-121.53	-120.42	4.95		
4.95E+09	-120.81	-120.92	4.95		
4.95E+09	-121.28	-121.73	4.95		
4.95E+09	-121.36	-121.84	4.95		
4.96E+09	-120.54	-121.06	4.96		
4.96E+09	-122.08	-122.01	4.96		
4.96E+09	-122.48	-120.46	4.96		
4.96E+09	-121.20	-121.01	4.96		
4.97E+09	-121.15	-120.95	4.97		
4.97E+09	-120.54	-120.71	4.97		
4.97E+09	-119.14	-120.55	4.97		
4.97E+09	-119.32	-120.19	4.97		
4.98E+09	-121.25	-120.98	4.98		
4.98E+09	-120.82	-120.51	4.98		
4.98E+09	-120.15	-120.35	4.98		
4.98E+09	-121.90	-120.21	4.98		
4.99E+09	-121.13	-121.46	4.99		
4.99E+09	-120.66	-121.41	4.99		
4.99E+09	-121.75	-122.34	4.99		
4.99E+09	-121.28	-120.58	4.99		
5.00E+09	-120.14	-121.10	5.00		
5.00E+09	-119.95	-120.55	5.00		
5.00E+09	-122.43	-121.55	5.00		
Sum of Column				-4.14	

Attenuation (dB)
 0.00E+00

 Center Frequency (Hz)
 4.50E+09

 Date/Time
 12/20/2010 14:06

 Instrument Model
 E4407B

 Instrument Serial Number
 MY45116875

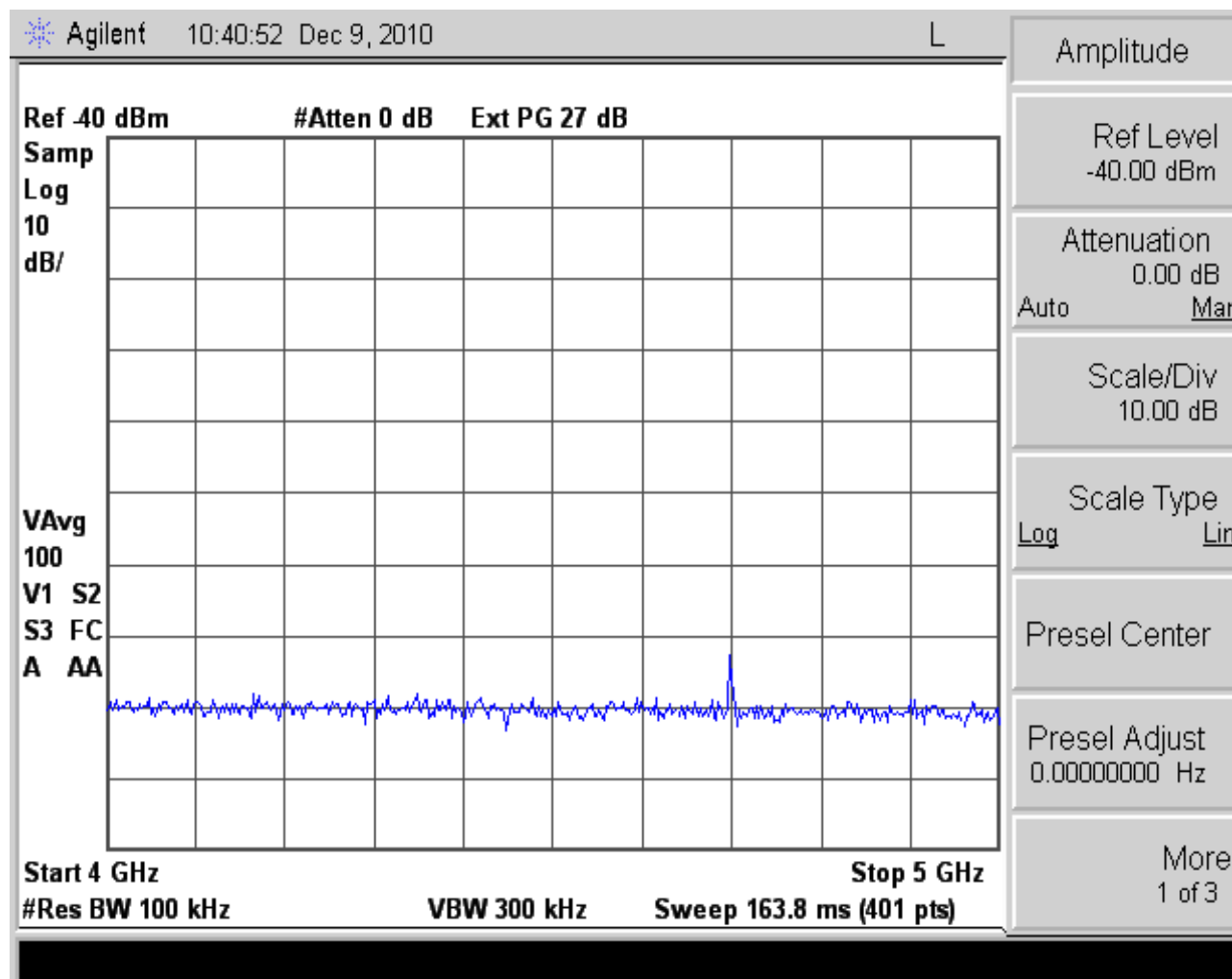
 Reference Level (dBm)
 -4.00E+01

 Resolution BW (Hz)
 1.00E+05

 Scale Type
 LOG

 Span Frequency (Hz)
 1.00E+09

 Start Frequency (Hz)
 4.00E+09

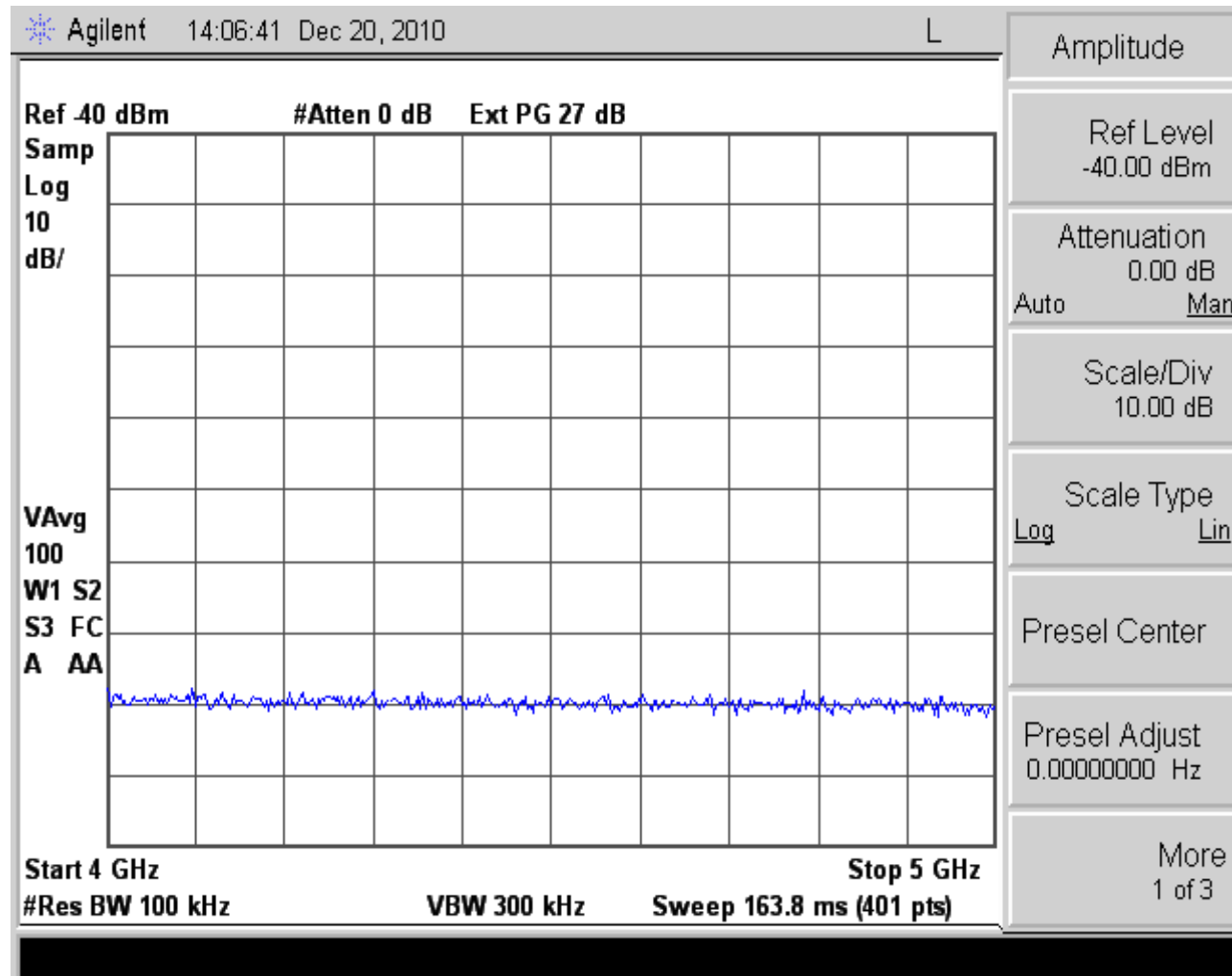


Stop Frequency (Hz)
5.00E+09

Sweep Number Of Points
401

Sweep Time (seconds)
1.64E-01

Video BW (Hz)
3.00E+05



5-6 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan No power line on the ground 9-Dec-10		575' length of power cord on the ground connecting shed 20-Dec-10	Freq MHz	Comparison 20-Dec minus the Ambient scan dBm
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	3.00
5.00E+09	-119.45	-119.65	5.00	
5.00E+09	-119.51	-120.72	5.00	
5.01E+09	-119.22	-119.59	5.01	
5.01E+09	-120.18	-119.47	5.01	
5.01E+09	-118.23	-120.41	5.01	
5.01E+09	-119.18	-120.40	5.01	
5.02E+09	-119.62	-121.01	5.02	
5.02E+09	-119.39	-120.01	5.02	
5.02E+09	-120.66	-120.07	5.02	
5.02E+09	-119.98	-119.79	5.02	
5.03E+09	-120.31	-119.81	5.03	
5.03E+09	-118.20	-120.27	5.03	
5.03E+09	-119.07	-118.91	5.03	
5.03E+09	-119.20	-119.68	5.03	
5.04E+09	-120.09	-119.43	5.04	
5.04E+09	-120.74	-119.50	5.04	
5.04E+09	-120.50	-119.62	5.04	
5.04E+09	-119.24	-119.12	5.04	
5.05E+09	-118.69	-120.56	5.05	
5.05E+09	-119.95	-119.16	5.05	
5.05E+09	-119.89	-119.03	5.05	
5.05E+09	-121.31	-119.33	5.05	
5.06E+09	-121.08	-120.99	5.06	
5.06E+09	-119.57	-119.19	5.06	
5.06E+09	-119.45	-120.50	5.06	
5.06E+09	-119.05	-119.11	5.06	
5.07E+09	-120.60	-119.67	5.07	

5-6 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power	Comparison	
No power line on the ground		cord on the ground connecting shed	20-Dec	
9-Dec-10	20-Dec-10	Freq MHz	minus the Ambient scan	
Trace1			dBm	
Frequency (Hz)	(dBm)	Trace1 (dBm)	Enter Limit >	3.00
5.07E+09	-120.25	-119.30	5.07	
5.07E+09	-118.88	-118.40	5.07	
5.07E+09	-120.62	-119.78	5.07	
5.08E+09	-120.53	-119.61	5.08	
5.08E+09	-121.01	-120.16	5.08	
5.08E+09	-120.56	-119.97	5.08	
5.08E+09	-119.77	-119.94	5.08	
5.09E+09	-119.96	-120.69	5.09	
5.09E+09	-120.55	-119.07	5.09	
5.09E+09	-120.79	-120.89	5.09	
5.09E+09	-119.70	-120.27	5.09	
5.10E+09	-119.96	-120.93	5.10	
5.10E+09	-119.53	-119.25	5.10	
5.10E+09	-119.52	-119.02	5.10	
5.10E+09	-119.92	-119.88	5.10	
5.11E+09	-120.61	-120.65	5.11	
5.11E+09	-119.80	-120.38	5.11	
5.11E+09	-118.91	-121.06	5.11	
5.11E+09	-118.43	-119.41	5.11	
5.12E+09	-119.59	-120.40	5.12	
5.12E+09	-120.52	-119.70	5.12	
5.12E+09	-118.37	-119.31	5.12	
5.12E+09	-119.85	-120.40	5.12	
5.13E+09	-119.23	-120.06	5.13	
5.13E+09	-119.13	-120.49	5.13	
5.13E+09	-119.73	-120.27	5.13	
5.13E+09	-119.48	-120.51	5.13	

5-6 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power	Comparison	
No power line on the ground		cord on the ground	20-Dec	
9-Dec-10		connecting shed	minus the Ambient scan	
Trace1		20-Dec-10	Freq MHz	dBm
Frequency (Hz)	(dBm)	Trace1 (dBm)	Enter Limit >	3.00
5.14E+09	-119.21	-120.14	5.14	
5.14E+09	-119.66	-120.77	5.14	
5.14E+09	-119.19	-120.41	5.14	
5.14E+09	-120.32	-119.21	5.14	
5.15E+09	-119.36	-120.41	5.15	
5.15E+09	-120.39	-118.93	5.15	
5.15E+09	-120.34	-118.15	5.15	
5.15E+09	-119.47	-122.30	5.15	
5.16E+09	-119.72	-120.04	5.16	
5.16E+09	-119.59	-120.08	5.16	
5.16E+09	-119.60	-121.09	5.16	
5.16E+09	-119.80	-119.67	5.16	
5.17E+09	-118.88	-119.82	5.17	
5.17E+09	-119.49	-119.17	5.17	
5.17E+09	-119.89	-120.49	5.17	
5.17E+09	-119.85	-119.43	5.17	
5.18E+09	-120.58	-120.98	5.18	
5.18E+09	-120.72	-119.43	5.18	
5.18E+09	-118.87	-120.64	5.18	
5.18E+09	-117.98	-119.10	5.18	
5.19E+09	-119.90	-119.62	5.19	
5.19E+09	-119.71	-119.20	5.19	
5.19E+09	-117.88	-120.64	5.19	
5.19E+09	-120.22	-120.26	5.19	
5.20E+09	-120.71	-120.53	5.20	
5.20E+09	-118.40	-119.46	5.20	
5.20E+09	-119.59	-119.29	5.20	

5-6 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power	Comparison	
No power line on the ground		cord on the ground connecting shed	20-Dec	
9-Dec-10	20-Dec-10	Freq MHz	minus the Ambient scan	
Trace1			dBm	
Frequency (Hz)	(dBm)	Trace1 (dBm)	Enter Limit >	3.00
5.20E+09	-118.98	-119.10	5.20	
5.21E+09	-119.64	-118.26	5.21	
5.21E+09	-120.86	-120.45	5.21	
5.21E+09	-119.13	-119.60	5.21	
5.21E+09	-119.82	-120.68	5.21	
5.22E+09	-120.53	-119.89	5.22	
5.22E+09	-120.56	-119.75	5.22	
5.22E+09	-120.12	-119.95	5.22	
5.22E+09	-118.66	-119.84	5.22	
5.23E+09	-119.51	-120.46	5.23	
5.23E+09	-120.75	-119.37	5.23	
5.23E+09	-119.06	-119.75	5.23	
5.23E+09	-119.58	-119.48	5.23	
5.24E+09	-120.00	-119.73	5.24	
5.24E+09	-118.92	-120.76	5.24	
5.24E+09	-119.64	-119.61	5.24	
5.24E+09	-118.69	-120.26	5.24	
5.25E+09	-120.25	-120.22	5.25	
5.25E+09	-118.58	-120.06	5.25	
5.25E+09	-110.14	-120.18	5.25	-10.04
5.25E+09	-119.77	-121.34	5.25	
5.26E+09	-118.65	-119.52	5.26	
5.26E+09	-119.32	-119.45	5.26	
5.26E+09	-118.89	-119.86	5.26	
5.26E+09	-119.75	-119.77	5.26	
5.27E+09	-119.23	-119.99	5.27	
5.27E+09	-120.10	-119.81	5.27	

5-6 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan No power line on the ground 9-Dec-10		575' length of power cord on the ground connecting shed 20-Dec-10	Freq MHz	Comparison 20-Dec minus the Ambient scan dBm
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	
5.27E+09	-119.94	-119.36	5.27	3.00
5.27E+09	-120.92	-118.87	5.27	
5.28E+09	-118.99	-119.74	5.28	
5.28E+09	-119.64	-119.40	5.28	
5.28E+09	-119.96	-120.89	5.28	
5.28E+09	-119.65	-119.02	5.28	
5.29E+09	-120.44	-119.17	5.29	
5.29E+09	-119.20	-118.85	5.29	
5.29E+09	-119.79	-115.86	5.29	3.93
5.29E+09	-120.26	-119.61	5.29	
5.30E+09	-120.50	-119.15	5.30	
5.30E+09	-119.94	-119.47	5.30	
5.30E+09	-119.64	-120.59	5.30	
5.30E+09	-117.94	-118.95	5.30	
5.31E+09	-119.04	-119.64	5.31	
5.31E+09	-117.47	-120.01	5.31	
5.31E+09	-114.76	-120.18	5.31	-5.42
5.31E+09	-118.68	-118.20	5.31	
5.32E+09	-119.15	-118.58	5.32	
5.32E+09	-119.08	-118.65	5.32	
5.32E+09	-119.70	-120.63	5.32	
5.32E+09	-119.11	-120.27	5.32	
5.33E+09	-119.38	-118.92	5.33	
5.33E+09	-120.01	-118.68	5.33	
5.33E+09	-119.60	-119.42	5.33	
5.33E+09	-119.26	-119.43	5.33	
5.34E+09	-120.01	-120.20	5.34	

5-6 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power	Comparison	
No power line on the ground		cord on the ground connecting shed	20-Dec minus the Ambient scan	
9-Dec-10	20-Dec-10	Freq MHz	dBm	
Trace1	Trace1	Enter Limit >		
Frequency (Hz)	(dBm)	(dBm)		
5.34E+09	-120.25	-119.20	5.34	3.00
5.34E+09	-120.29	-120.75	5.34	
5.34E+09	-120.29	-119.41	5.34	
5.35E+09	-119.22	-118.76	5.35	
5.35E+09	-119.92	-119.89	5.35	
5.35E+09	-118.50	-119.54	5.35	
5.35E+09	-120.81	-119.27	5.35	
5.36E+09	-120.89	-119.86	5.36	
5.36E+09	-120.56	-120.04	5.36	
5.36E+09	-118.80	-118.50	5.36	
5.36E+09	-120.21	-120.54	5.36	
5.37E+09	-119.96	-120.62	5.37	
5.37E+09	-118.99	-118.98	5.37	
5.37E+09	-120.81	-117.37	5.37	3.44
5.37E+09	-120.07	-118.83	5.37	
5.38E+09	-118.81	-119.43	5.38	
5.38E+09	-120.99	-120.46	5.38	
5.38E+09	-119.65	-120.44	5.38	
5.38E+09	-119.62	-119.87	5.38	
5.39E+09	-118.89	-119.00	5.39	
5.39E+09	-120.15	-118.79	5.39	
5.39E+09	-119.16	-119.39	5.39	
5.39E+09	-119.78	-118.66	5.39	
5.40E+09	-119.05	-120.15	5.40	
5.40E+09	-118.90	-119.93	5.40	
5.40E+09	-119.78	-120.72	5.40	
5.40E+09	-120.32	-120.15	5.40	

5-6 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power	Comparison	
No power line on the ground		cord on the ground connecting shed	20-Dec minus the Ambient scan	
9-Dec-10	20-Dec-10	Freq MHz	dBm	
Trace1	Trace1	Enter Limit >		
Frequency (Hz)	(dBm)	(dBm)		
5.41E+09	-119.97	-119.29	5.41	3.00
5.41E+09	-118.68	-118.68	5.41	
5.41E+09	-119.11	-119.21	5.41	
5.41E+09	-119.93	-119.54	5.41	
5.42E+09	-120.26	-120.84	5.42	
5.42E+09	-120.79	-120.00	5.42	
5.42E+09	-119.09	-120.77	5.42	
5.42E+09	-119.52	-119.65	5.42	
5.43E+09	-119.99	-119.52	5.43	
5.43E+09	-121.24	-118.93	5.43	
5.43E+09	-120.11	-120.43	5.43	
5.43E+09	-121.09	-117.39	5.43	3.70
5.44E+09	-119.57	-119.14	5.44	
5.44E+09	-120.14	-119.48	5.44	
5.44E+09	-120.53	-118.89	5.44	
5.44E+09	-119.41	-119.37	5.44	
5.45E+09	-119.11	-119.57	5.45	
5.45E+09	-120.15	-119.42	5.45	
5.45E+09	-119.53	-119.75	5.45	
5.45E+09	-120.00	-120.21	5.45	
5.46E+09	-119.52	-119.36	5.46	
5.46E+09	-119.09	-120.10	5.46	
5.46E+09	-119.22	-119.94	5.46	
5.46E+09	-119.37	-118.01	5.46	
5.47E+09	-118.23	-117.67	5.47	
5.47E+09	-119.25	-120.08	5.47	
5.47E+09	-119.16	-120.10	5.47	

5-6 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power	Comparison	
No power line on the ground		cord on the ground	20-Dec	
9-Dec-10		connecting shed	minus the Ambient scan	
Trace1		20-Dec-10	Freq MHz	dBm
Frequency (Hz)	(dBm)	Trace1 (dBm)	Enter Limit >	3.00
5.47E+09	-120.75	-119.24	5.47	
5.48E+09	-119.50	-119.57	5.48	
5.48E+09	-120.00	-118.55	5.48	
5.48E+09	-120.89	-120.01	5.48	
5.48E+09	-121.59	-119.88	5.48	
5.49E+09	-119.57	-119.74	5.49	
5.49E+09	-120.59	-119.30	5.49	
5.49E+09	-118.73	-119.75	5.49	
5.49E+09	-119.05	-120.09	5.49	
5.50E+09	-119.91	-120.35	5.50	
5.50E+09	-118.36	-119.51	5.50	
5.50E+09	-120.08	-119.37	5.50	
5.50E+09	-119.39	-119.81	5.50	
5.51E+09	-120.38	-119.95	5.51	
5.51E+09	-120.14	-119.23	5.51	
5.51E+09	-120.23	-120.36	5.51	
5.51E+09	-120.05	-120.27	5.51	
5.52E+09	-120.49	-119.90	5.52	
5.52E+09	-120.07	-119.07	5.52	
5.52E+09	-119.41	-119.70	5.52	
5.52E+09	-119.99	-120.89	5.52	
5.53E+09	-119.04	-119.04	5.53	
5.53E+09	-119.51	-120.34	5.53	
5.53E+09	-119.16	-121.01	5.53	
5.53E+09	-119.88	-120.62	5.53	
5.54E+09	-121.33	-119.40	5.54	
5.54E+09	-118.75	-120.32	5.54	

5-6 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power	Comparison	
No power line on the ground		cord on the ground connecting shed	20-Dec	
9-Dec-10	20-Dec-10	Freq MHz	minus the Ambient scan	
Trace1			dBm	
Frequency (Hz)	(dBm)	Trace1 (dBm)	Enter Limit >	3.00
5.54E+09	-120.20	-118.99	5.54	
5.54E+09	-118.42	-119.89	5.54	
5.55E+09	-119.25	-119.78	5.55	
5.55E+09	-119.91	-119.03	5.55	
5.55E+09	-119.51	-119.53	5.55	
5.55E+09	-120.16	-120.26	5.55	
5.56E+09	-120.00	-119.64	5.56	
5.56E+09	-120.81	-119.39	5.56	
5.56E+09	-119.71	-120.94	5.56	
5.56E+09	-118.89	-119.63	5.56	
5.57E+09	-119.89	-120.86	5.57	
5.57E+09	-120.32	-119.25	5.57	
5.57E+09	-119.30	-118.78	5.57	
5.57E+09	-120.03	-119.43	5.57	
5.58E+09	-120.60	-120.99	5.58	
5.58E+09	-119.42	-120.92	5.58	
5.58E+09	-119.35	-119.71	5.58	
5.58E+09	-120.08	-119.30	5.58	
5.59E+09	-119.48	-120.51	5.59	
5.59E+09	-119.57	-120.57	5.59	
5.59E+09	-119.25	-118.72	5.59	
5.59E+09	-120.16	-120.75	5.59	
5.60E+09	-119.93	-118.83	5.60	
5.60E+09	-119.84	-119.62	5.60	
5.60E+09	-119.98	-118.47	5.60	
5.60E+09	-120.55	-120.00	5.60	
5.61E+09	-120.15	-119.91	5.61	

5-6 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power	Comparison	
No power line on the ground		cord on the ground connecting shed	20-Dec	
9-Dec-10	20-Dec-10	Freq MHz	minus the Ambient scan	
Trace1			dBm	
Frequency (Hz)	(dBm)	Trace1 (dBm)	Enter Limit >	3.00
5.61E+09	-119.35	-119.93	5.61	
5.61E+09	-120.10	-120.20	5.61	
5.61E+09	-118.93	-120.39	5.61	
5.62E+09	-119.31	-120.37	5.62	
5.62E+09	-120.19	-120.09	5.62	
5.62E+09	-120.03	-119.71	5.62	
5.62E+09	-120.04	-119.87	5.62	
5.63E+09	-120.37	-119.78	5.63	
5.63E+09	-119.62	-120.19	5.63	
5.63E+09	-118.93	-119.66	5.63	
5.63E+09	-119.75	-119.72	5.63	
5.64E+09	-119.02	-118.94	5.64	
5.64E+09	-119.38	-118.96	5.64	
5.64E+09	-120.09	-120.43	5.64	
5.64E+09	-119.97	-120.50	5.64	
5.65E+09	-118.80	-119.68	5.65	
5.65E+09	-120.20	-121.63	5.65	
5.65E+09	-120.60	-120.56	5.65	
5.65E+09	-118.58	-119.77	5.65	
5.66E+09	-119.26	-119.36	5.66	
5.66E+09	-120.38	-119.16	5.66	
5.66E+09	-119.32	-120.81	5.66	
5.66E+09	-119.16	-120.04	5.66	
5.67E+09	-120.19	-119.31	5.67	
5.67E+09	-119.21	-119.81	5.67	
5.67E+09	-118.67	-118.92	5.67	
5.67E+09	-120.76	-120.06	5.67	

5-6 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power	Comparison	
No power line on the ground		cord on the ground connecting shed	20-Dec minus the Ambient scan	
9-Dec-10	20-Dec-10	Freq MHz	dBm	
Trace1	Trace1	Enter Limit >		
Frequency (Hz)	(dBm)	(dBm)	3.00	
5.68E+09	-120.66	-119.39		
5.68E+09	-121.15	-119.10		
5.68E+09	-119.58	-119.29		
5.68E+09	-118.90	-120.14		
5.69E+09	-119.10	-120.04		
5.69E+09	-119.24	-119.25		
5.69E+09	-119.91	-118.66		
5.69E+09	-120.54	-119.04		
5.70E+09	-120.03	-119.00		
5.70E+09	-119.96	-120.35		
5.70E+09	-121.02	-119.89		
5.70E+09	-119.38	-119.70		
5.71E+09	-120.06	-120.01		
5.71E+09	-120.87	-120.62		
5.71E+09	-120.11	-119.81		
5.71E+09	-120.41	-121.00		
5.72E+09	-120.01	-121.16		
5.72E+09	-120.41	-119.76		
5.72E+09	-119.17	-120.66		
5.72E+09	-120.27	-119.89		
5.73E+09	-119.78	-120.42		
5.73E+09	-119.15	-120.07		
5.73E+09	-120.19	-119.25		
5.73E+09	-118.72	-120.01		
5.74E+09	-120.56	-119.50		
5.74E+09	-119.71	-120.07		
5.74E+09	-119.88	-119.58		

5-6 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power	Comparison	
No power line on the ground		cord on the ground connecting shed	20-Dec	
9-Dec-10	20-Dec-10	Freq MHz	minus the Ambient scan	
Trace1			dBm	
Frequency (Hz)	(dBm)	Trace1 (dBm)	Enter Limit >	3.00
5.74E+09	-120.88	-121.07	5.74	
5.75E+09	-120.07	-118.91	5.75	
5.75E+09	-120.47	-118.75	5.75	
5.75E+09	-120.85	-120.89	5.75	
5.75E+09	-119.06	-120.00	5.75	
5.76E+09	-121.59	-120.38	5.76	
5.76E+09	-119.68	-119.43	5.76	
5.76E+09	-120.27	-120.21	5.76	
5.76E+09	-120.23	-120.75	5.76	
5.77E+09	-119.95	-118.26	5.77	
5.77E+09	-120.12	-119.28	5.77	
5.77E+09	-120.41	-118.41	5.77	
5.77E+09	-120.02	-119.97	5.77	
5.78E+09	-120.73	-119.82	5.78	
5.78E+09	-119.57	-119.63	5.78	
5.78E+09	-120.58	-119.72	5.78	
5.78E+09	-119.28	-119.90	5.78	
5.79E+09	-119.33	-118.54	5.79	
5.79E+09	-118.17	-119.54	5.79	
5.79E+09	-119.93	-119.02	5.79	
5.79E+09	-119.64	-120.61	5.79	
5.80E+09	-118.57	-118.70	5.80	
5.80E+09	-119.88	-119.35	5.80	
5.80E+09	-118.91	-120.57	5.80	
5.80E+09	-119.25	-119.72	5.80	
5.81E+09	-118.45	-118.90	5.81	
5.81E+09	-120.52	-118.58	5.81	

5-6 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power	Comparison	
No power line on the ground		cord on the ground connecting shed	20-Dec minus the Ambient scan	
9-Dec-10	20-Dec-10	Freq MHz	dBm	
Trace1	Trace1	Enter Limit >	3.00	
Frequency (Hz)	(dBm)	(dBm)		
5.81E+09	-118.52	-119.64	5.81	
5.81E+09	-118.21	-119.32	5.81	
5.82E+09	-119.19	-119.46	5.82	
5.82E+09	-119.32	-119.11	5.82	
5.82E+09	-119.00	-120.75	5.82	
5.82E+09	-120.37	-119.80	5.82	
5.83E+09	-119.40	-119.14	5.83	
5.83E+09	-118.80	-118.74	5.83	
5.83E+09	-120.26	-119.07	5.83	
5.83E+09	-120.05	-120.43	5.83	
5.84E+09	-119.43	-118.75	5.84	
5.84E+09	-119.77	-120.86	5.84	
5.84E+09	-119.51	-118.95	5.84	
5.84E+09	-119.96	-118.59	5.84	
5.85E+09	-118.87	-118.81	5.85	
5.85E+09	-119.92	-118.09	5.85	
5.85E+09	-119.20	-119.37	5.85	
5.85E+09	-119.32	-119.24	5.85	
5.86E+09	-119.10	-119.97	5.86	
5.86E+09	-119.78	-118.32	5.86	
5.86E+09	-118.94	-118.76	5.86	
5.86E+09	-120.59	-120.15	5.86	
5.87E+09	-119.60	-119.86	5.87	
5.87E+09	-118.33	-119.50	5.87	
5.87E+09	-119.82	-118.97	5.87	
5.87E+09	-120.45	-119.00	5.87	
5.88E+09	-119.14	-120.59	5.88	

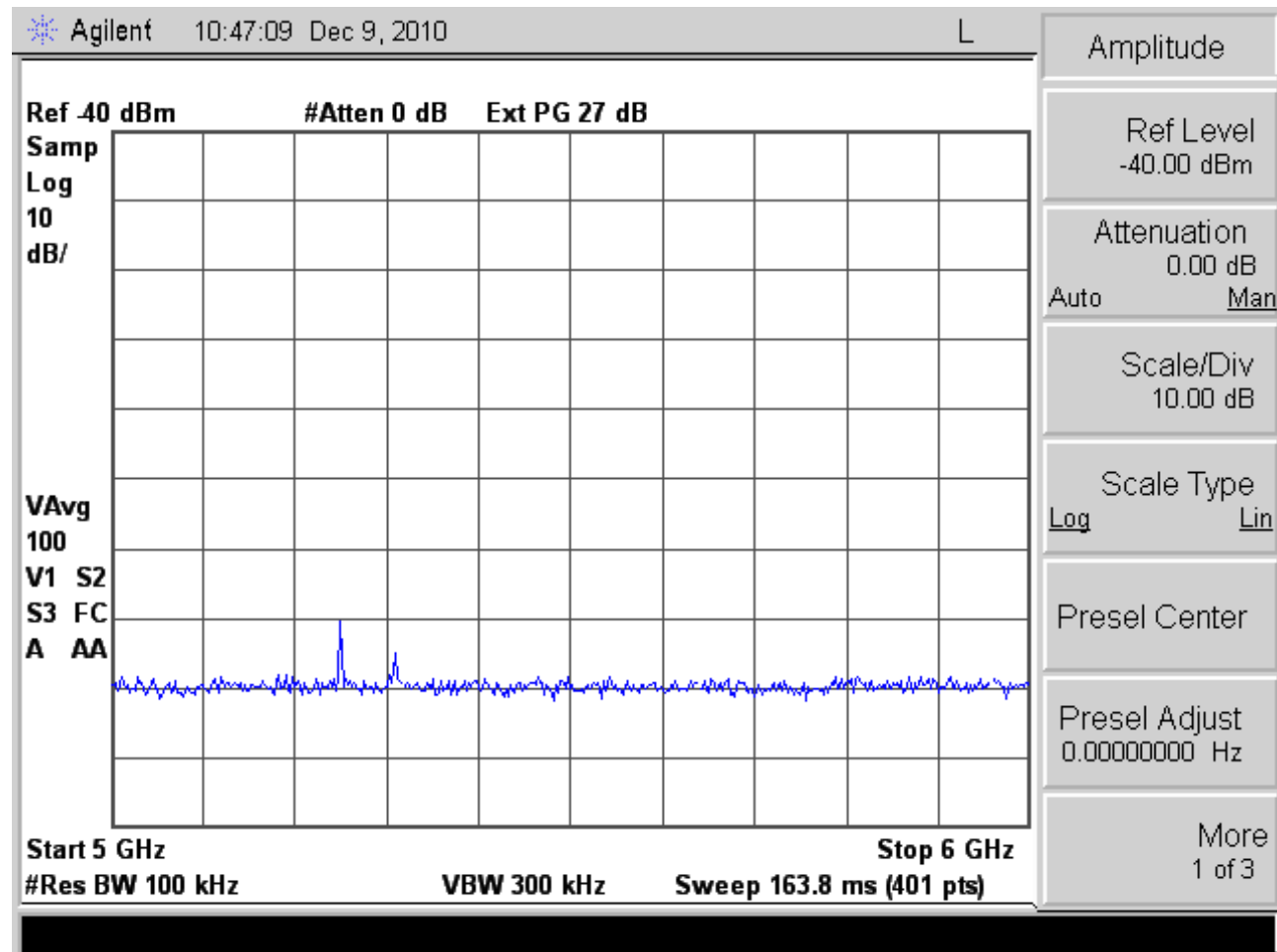
5-6 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power	Comparison	
No power line on the ground		cord on the ground	20-Dec	
9-Dec-10		connecting shed	minus the Ambient scan	
Trace1		20-Dec-10	Freq MHz	dBm
Frequency (Hz)	(dBm)	Trace1 (dBm)	Enter Limit >	3.00
5.88E+09	-120.10	-120.31	5.88	
5.88E+09	-118.42	-119.84	5.88	
5.88E+09	-119.40	-120.00	5.88	
5.89E+09	-119.38	-119.76	5.89	
5.89E+09	-119.19	-120.20	5.89	
5.89E+09	-118.49	-119.96	5.89	
5.89E+09	-119.92	-119.02	5.89	
5.90E+09	-118.64	-118.67	5.90	
5.90E+09	-119.16	-120.10	5.90	
5.90E+09	-120.61	-119.35	5.90	
5.90E+09	-119.76	-118.65	5.90	
5.91E+09	-119.62	-120.23	5.91	
5.91E+09	-119.96	-120.56	5.91	
5.91E+09	-119.17	-119.43	5.91	
5.91E+09	-118.32	-119.47	5.91	
5.92E+09	-119.50	-120.00	5.92	
5.92E+09	-120.13	-119.89	5.92	
5.92E+09	-118.99	-120.21	5.92	
5.92E+09	-119.30	-120.00	5.92	
5.93E+09	-120.37	-119.30	5.93	
5.93E+09	-119.92	-118.94	5.93	
5.93E+09	-119.09	-118.97	5.93	
5.93E+09	-120.45	-119.51	5.93	
5.94E+09	-119.38	-120.07	5.94	
5.94E+09	-120.39	-120.19	5.94	
5.94E+09	-119.39	-119.06	5.94	
5.94E+09	-119.94	-119.33	5.94	

5-6 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power	Comparison	
No power line on the ground		cord on the ground connecting shed	20-Dec	
9-Dec-10	20-Dec-10	Freq MHz	minus the Ambient scan	
Trace1			dBm	
Frequency (Hz)	(dBm)	Trace1 (dBm)	Enter Limit >	3.00
5.95E+09	-118.50	-119.07	5.95	
5.95E+09	-120.07	-119.21	5.95	
5.95E+09	-119.79	-118.89	5.95	
5.95E+09	-119.81	-119.66	5.95	
5.96E+09	-119.23	-120.33	5.96	
5.96E+09	-119.57	-120.30	5.96	
5.96E+09	-118.64	-119.17	5.96	
5.96E+09	-119.24	-120.46	5.96	
5.97E+09	-118.94	-119.94	5.97	
5.97E+09	-119.21	-118.84	5.97	
5.97E+09	-119.82	-120.43	5.97	
5.97E+09	-119.84	-119.06	5.97	
5.98E+09	-121.40	-118.89	5.98	
5.98E+09	-119.24	-119.57	5.98	
5.98E+09	-119.89	-118.76	5.98	
5.98E+09	-119.74	-119.32	5.98	
5.99E+09	-119.42	-119.66	5.99	
5.99E+09	-119.86	-119.73	5.99	
5.99E+09	-119.38	-120.37	5.99	
5.99E+09	-119.85	-119.01	5.99	
6.00E+09	-119.03	-120.14	6.00	
6.00E+09	-119.12	-119.38	6.00	
6.00E+09	-119.77	-119.21	6.00	
Sum of Column				-4.38

Attenuation (dB)
 0.00E+00
 Center Frequency (Hz)
 5.50E+09
 Date/Time
 12/20/2010 14:09
 Instrument Model
 E4407B
 Instrument Serial Number
 MY45116875
 Reference Level (dBm)
 -4.00E+01
 Resolution BW (Hz)
 1.00E+05
 Scale Type
 LOG
 Span Frequency (Hz)
 1.00E+09
 Start Frequency (Hz)
 5.00E+09

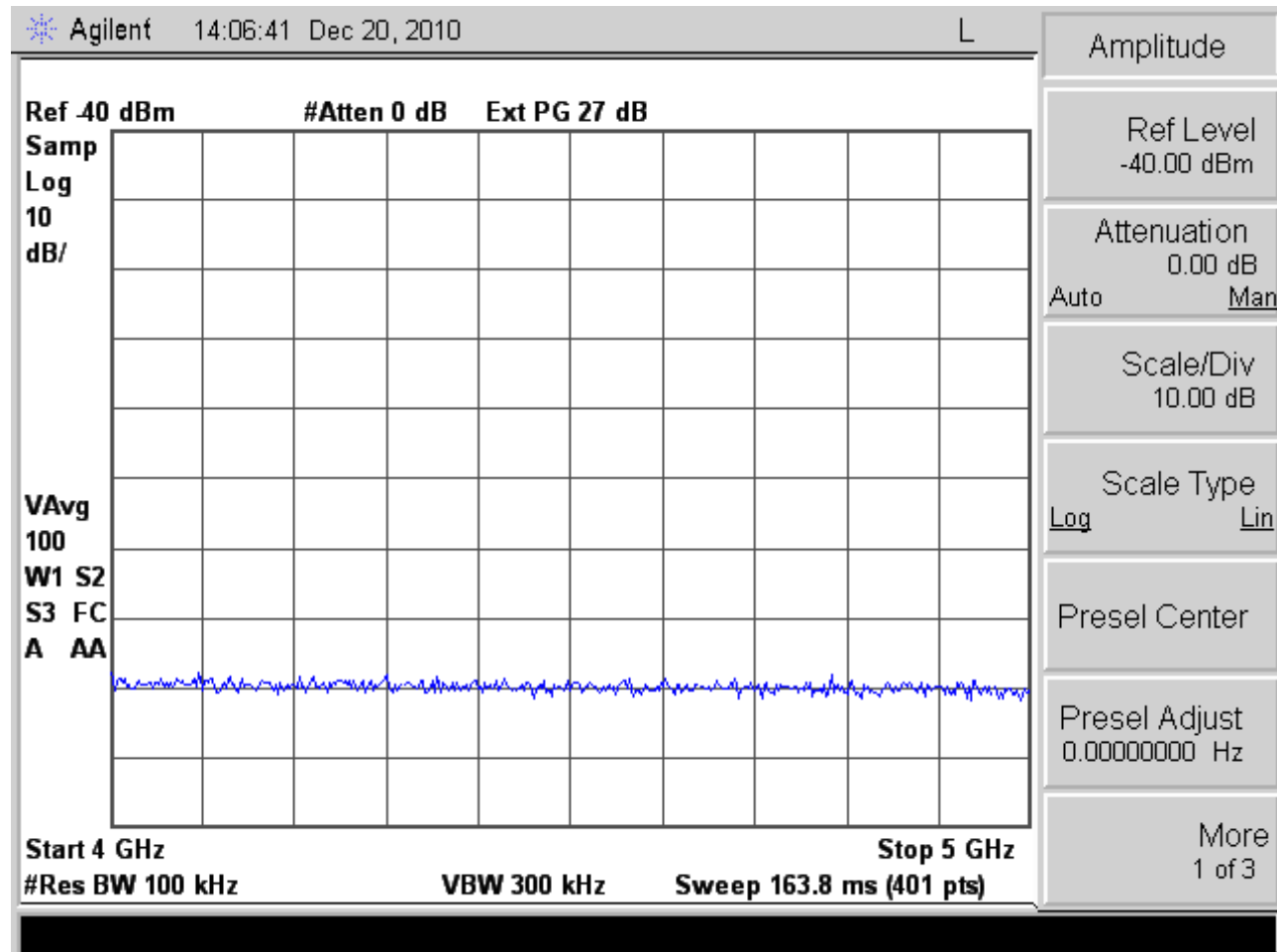


Stop Frequency (Hz)
6.00E+09

Sweep Number Of Points
401

Sweep Time (seconds)
1.64E-01

Video BW (Hz)
3.00E+05



6-7 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power		Comparison	
No power line		cord on the ground		20-Dec	
on the ground		connecting shed		minus the Ambient scan	
9-Dec-10		20-Dec-10	Freq MHz	dBm	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	3.00	
6.00E+09	-121.25	-119.53	6.00		
6.00E+09	-121.17	-118.67	6.00		
6.01E+09	-118.97	-120.20	6.01		
6.01E+09	-119.09	-119.67	6.01		
6.01E+09	-119.52	-119.34	6.01		
6.01E+09	-119.71	-118.84	6.01		
6.02E+09	-120.44	-120.56	6.02		
6.02E+09	-120.03	-120.55	6.02		
6.02E+09	-120.14	-121.48	6.02		
6.02E+09	-120.30	-119.38	6.02		
6.03E+09	-119.81	-119.68	6.03		
6.03E+09	-119.56	-120.40	6.03		
6.03E+09	-118.86	-121.08	6.03		
6.03E+09	-121.11	-119.96	6.03		
6.04E+09	-119.82	-118.92	6.04		
6.04E+09	-121.19	-119.91	6.04		
6.04E+09	-119.04	-119.51	6.04		
6.04E+09	-120.40	-120.37	6.04		
6.05E+09	-119.82	-120.26	6.05		
6.05E+09	-119.79	-119.68	6.05		
6.05E+09	-120.11	-118.47	6.05		
6.05E+09	-119.78	-119.78	6.05		
6.06E+09	-121.26	-119.29	6.06		
6.06E+09	-120.06	-119.77	6.06		
6.06E+09	-120.57	-118.74	6.06		
6.06E+09	-119.82	-119.96	6.06		
6.07E+09	-120.50	-120.35	6.07		

6-7 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power		Comparison	
No power line		cord on the ground		20-Dec	
on the ground		connecting shed		minus the Ambient scan	
9-Dec-10		20-Dec-10	Freq MHz	dBm	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	3.00	
6.07E+09	-119.34	-120.89	6.07		
6.07E+09	-118.91	-120.96	6.07		
6.07E+09	-120.88	-118.68	6.07		
6.08E+09	-120.34	-120.66	6.08		
6.08E+09	-119.79	-120.79	6.08		
6.08E+09	-120.00	-120.30	6.08		
6.08E+09	-119.08	-120.30	6.08		
6.09E+09	-121.29	-119.10	6.09		
6.09E+09	-120.26	-120.62	6.09		
6.09E+09	-120.02	-120.22	6.09		
6.09E+09	-119.63	-119.66	6.09		
6.10E+09	-119.25	-120.17	6.10		
6.10E+09	-121.18	-119.67	6.10		
6.10E+09	-119.20	-120.59	6.10		
6.10E+09	-120.75	-121.53	6.10		
6.11E+09	-120.01	-119.06	6.11		
6.11E+09	-119.66	-120.99	6.11		
6.11E+09	-121.67	-120.23	6.11		
6.11E+09	-121.31	-120.93	6.11		
6.12E+09	-120.58	-118.46	6.12		
6.12E+09	-121.24	-119.80	6.12		
6.12E+09	-119.66	-119.55	6.12		
6.12E+09	-119.54	-119.61	6.12		
6.13E+09	-118.97	-121.34	6.13		
6.13E+09	-120.67	-119.92	6.13		
6.13E+09	-121.08	-120.10	6.13		
6.13E+09	-121.50	-119.41	6.13		

6-7 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power		Comparison	
No power line		cord on the ground		20-Dec	
on the ground		connecting shed		minus the Ambient scan	
9-Dec-10		20-Dec-10	Freq MHz	dBm	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	3.00	
6.14E+09	-120.16	-120.33	6.14		
6.14E+09	-120.73	-119.46	6.14		
6.14E+09	-119.91	-121.05	6.14		
6.14E+09	-121.43	-119.06	6.14		
6.15E+09	-121.40	-119.75	6.15		
6.15E+09	-120.44	-120.39	6.15		
6.15E+09	-120.13	-118.75	6.15		
6.15E+09	-119.95	-119.29	6.15		
6.16E+09	-120.45	-121.19	6.16		
6.16E+09	-120.43	-120.11	6.16		
6.16E+09	-119.91	-120.50	6.16		
6.16E+09	-120.21	-119.88	6.16		
6.17E+09	-120.59	-120.04	6.17		
6.17E+09	-120.42	-118.93	6.17		
6.17E+09	-119.41	-120.10	6.17		
6.17E+09	-119.80	-120.82	6.17		
6.18E+09	-119.44	-119.10	6.18		
6.18E+09	-119.36	-120.34	6.18		
6.18E+09	-120.94	-119.55	6.18		
6.18E+09	-119.46	-119.86	6.18		
6.19E+09	-119.59	-120.22	6.19		
6.19E+09	-120.00	-121.81	6.19		
6.19E+09	-120.75	-120.22	6.19		
6.19E+09	-120.56	-121.29	6.19		
6.20E+09	-121.89	-119.71	6.20		
6.20E+09	-120.94	-121.21	6.20		
6.20E+09	-119.77	-120.45	6.20		

6-7 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power		Comparison	
No power line		cord on the ground		20-Dec	
on the ground		connecting shed		minus the Ambient scan	
9-Dec-10		20-Dec-10	Freq MHz	dBm	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	3.00	
6.20E+09	-120.50	-119.87	6.20		
6.21E+09	-121.09	-119.88	6.21		
6.21E+09	-120.73	-120.92	6.21		
6.21E+09	-120.47	-118.55	6.21		
6.21E+09	-120.29	-120.09	6.21		
6.22E+09	-118.88	-120.19	6.22		
6.22E+09	-120.76	-122.05	6.22		
6.22E+09	-120.54	-120.28	6.22		
6.22E+09	-121.84	-120.53	6.22		
6.23E+09	-119.95	-119.52	6.23		
6.23E+09	-120.26	-119.22	6.23		
6.23E+09	-120.47	-119.93	6.23		
6.23E+09	-120.34	-119.38	6.23		
6.24E+09	-120.89	-120.65	6.24		
6.24E+09	-120.25	-121.21	6.24		
6.24E+09	-121.74	-120.61	6.24		
6.24E+09	-120.90	-119.50	6.24		
6.25E+09	-121.24	-119.22	6.25		
6.25E+09	-121.23	-120.65	6.25		
6.25E+09	-120.97	-120.92	6.25		
6.25E+09	-119.07	-120.19	6.25		
6.26E+09	-120.07	-120.47	6.26		
6.26E+09	-120.64	-119.33	6.26		
6.26E+09	-120.26	-119.43	6.26		
6.26E+09	-120.18	-119.28	6.26		
6.27E+09	-121.11	-119.54	6.27		
6.27E+09	-119.74	-119.56	6.27		

6-7 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power		Comparison	
No power line		cord on the ground		20-Dec	
on the ground		connecting shed		minus the Ambient scan	
9-Dec-10		20-Dec-10	Freq MHz	dBm	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	3.00	
6.27E+09	-121.23	-120.99	6.27		
6.27E+09	-121.03	-120.75	6.27		
6.28E+09	-120.64	-118.67	6.28		
6.28E+09	-119.68	-119.79	6.28		
6.28E+09	-119.61	-120.49	6.28		
6.28E+09	-119.63	-118.15	6.28		
6.29E+09	-119.40	-118.63	6.29		
6.29E+09	-119.64	-122.60	6.29		
6.29E+09	-120.72	-121.69	6.29		
6.29E+09	-119.88	-119.82	6.29		
6.30E+09	-120.41	-119.89	6.30		
6.30E+09	-120.62	-120.18	6.30		
6.30E+09	-120.84	-120.33	6.30		
6.30E+09	-120.33	-121.29	6.30		
6.31E+09	-121.44	-121.75	6.31		
6.31E+09	-121.82	-120.20	6.31		
6.31E+09	-121.22	-120.61	6.31		
6.31E+09	-119.96	-119.98	6.31		
6.32E+09	-120.03	-119.01	6.32		
6.32E+09	-120.27	-121.07	6.32		
6.32E+09	-120.11	-118.94	6.32		
6.32E+09	-119.68	-119.81	6.32		
6.33E+09	-119.80	-120.11	6.33		
6.33E+09	-118.76	-119.90	6.33		
6.33E+09	-120.36	-119.45	6.33		
6.33E+09	-119.48	-119.48	6.33		
6.34E+09	-121.67	-117.94	6.34	3.73	

6-7 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power		Comparison	
No power line		cord on the ground		20-Dec	
on the ground		connecting shed		minus the Ambient scan	
9-Dec-10		20-Dec-10	Freq MHz	dBm	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	3.00	
6.34E+09	-120.41	-121.01	6.34		
6.34E+09	-121.53	-119.99	6.34		
6.34E+09	-119.64	-119.61	6.34		
6.35E+09	-120.24	-120.41	6.35		
6.35E+09	-119.39	-120.14	6.35		
6.35E+09	-121.38	-121.04	6.35		
6.35E+09	-120.62	-121.30	6.35		
6.36E+09	-121.33	-120.64	6.36		
6.36E+09	-120.27	-120.59	6.36		
6.36E+09	-120.30	-120.48	6.36		
6.36E+09	-120.78	-120.04	6.36		
6.37E+09	-120.18	-118.85	6.37		
6.37E+09	-120.44	-119.56	6.37		
6.37E+09	-121.92	-119.37	6.37		
6.37E+09	-121.88	-120.64	6.37		
6.38E+09	-120.18	-120.99	6.38		
6.38E+09	-120.96	-120.98	6.38		
6.38E+09	-118.81	-120.64	6.38		
6.38E+09	-119.78	-120.40	6.38		
6.39E+09	-121.36	-119.45	6.39		
6.39E+09	-119.55	-121.36	6.39		
6.39E+09	-120.78	-120.46	6.39		
6.39E+09	-119.82	-118.58	6.39		
6.40E+09	-120.97	-119.43	6.40		
6.40E+09	-119.90	-120.65	6.40		
6.40E+09	-119.97	-119.31	6.40		
6.40E+09	-120.90	-119.50	6.40		

6-7 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power		Comparison	
No power line		cord on the ground		20-Dec	
on the ground		connecting shed		minus the Ambient scan	
9-Dec-10		20-Dec-10	Freq MHz	dBm	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	3.00	
6.41E+09	-118.71	-119.76	6.41		
6.41E+09	-120.86	-119.82	6.41		
6.41E+09	-120.72	-120.13	6.41		
6.41E+09	-119.69	-120.29	6.41		
6.42E+09	-120.03	-119.63	6.42		
6.42E+09	-120.71	-120.15	6.42		
6.42E+09	-121.15	-119.46	6.42		
6.42E+09	-120.10	-120.39	6.42		
6.43E+09	-120.80	-120.68	6.43		
6.43E+09	-119.85	-120.52	6.43		
6.43E+09	-120.47	-119.89	6.43		
6.43E+09	-120.10	-120.77	6.43		
6.44E+09	-120.31	-119.02	6.44		
6.44E+09	-121.04	-120.86	6.44		
6.44E+09	-121.43	-119.73	6.44		
6.44E+09	-120.32	-120.21	6.44		
6.45E+09	-120.10	-119.54	6.45		
6.45E+09	-121.82	-119.68	6.45		
6.45E+09	-119.85	-120.30	6.45		
6.45E+09	-120.97	-119.26	6.45		
6.46E+09	-119.77	-119.87	6.46		
6.46E+09	-120.92	-119.63	6.46		
6.46E+09	-121.32	-120.11	6.46		
6.46E+09	-120.57	-120.18	6.46		
6.47E+09	-119.60	-118.68	6.47		
6.47E+09	-120.41	-120.54	6.47		
6.47E+09	-120.38	-120.57	6.47		

6-7 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power		Comparison	
No power line		cord on the ground		20-Dec	
on the ground		connecting shed		minus the Ambient scan	
9-Dec-10		20-Dec-10	Freq MHz	dBm	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	3.00	
6.47E+09	-120.27	-119.61	6.47		
6.48E+09	-121.08	-119.76	6.48		
6.48E+09	-120.17	-119.48	6.48		
6.48E+09	-122.39	-118.92	6.48	3.47	
6.48E+09	-119.50	-118.61	6.48		
6.49E+09	-119.59	-119.85	6.49		
6.49E+09	-119.93	-119.49	6.49		
6.49E+09	-120.75	-119.70	6.49		
6.49E+09	-120.42	-120.41	6.49		
6.50E+09	-119.45	-120.30	6.50		
6.50E+09	-120.83	-120.81	6.50		
6.50E+09	-119.51	-120.75	6.50		
6.50E+09	-119.82	-120.85	6.50		
6.51E+09	-119.37	-120.89	6.51		
6.51E+09	-120.24	-120.00	6.51		
6.51E+09	-121.20	-120.31	6.51		
6.51E+09	-121.37	-119.04	6.51		
6.52E+09	-120.26	-120.27	6.52		
6.52E+09	-120.05	-120.13	6.52		
6.52E+09	-120.31	-121.34	6.52		
6.52E+09	-119.14	-120.78	6.52		
6.53E+09	-119.01	-120.47	6.53		
6.53E+09	-121.14	-119.85	6.53		
6.53E+09	-120.63	-120.46	6.53		
6.53E+09	-120.28	-120.71	6.53		
6.54E+09	-119.51	-120.36	6.54		
6.54E+09	-118.49	-121.64	6.54	-3.15	

6-7 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power		Comparison	
No power line		cord on the ground		20-Dec	
on the ground		connecting shed		minus the Ambient scan	
9-Dec-10		20-Dec-10	Freq MHz	dBm	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	3.00	
6.54E+09	-120.22	-119.02	6.54		
6.54E+09	-119.78	-121.10	6.54		
6.55E+09	-119.81	-120.46	6.55		
6.55E+09	-119.02	-118.88	6.55		
6.55E+09	-121.04	-118.71	6.55		
6.55E+09	-119.74	-120.81	6.55		
6.56E+09	-120.35	-118.93	6.56		
6.56E+09	-121.91	-120.73	6.56		
6.56E+09	-119.96	-120.61	6.56		
6.56E+09	-119.54	-121.50	6.56		
6.57E+09	-119.32	-120.00	6.57		
6.57E+09	-119.68	-119.64	6.57		
6.57E+09	-120.50	-119.40	6.57		
6.57E+09	-119.82	-120.39	6.57		
6.58E+09	-121.52	-119.03	6.58		
6.58E+09	-119.59	-119.21	6.58		
6.58E+09	-120.60	-119.55	6.58		
6.58E+09	-119.74	-119.27	6.58		
6.59E+09	-119.68	-119.06	6.59		
6.59E+09	-119.76	-118.75	6.59		
6.59E+09	-119.61	-120.90	6.59		
6.59E+09	-120.29	-119.28	6.59		
6.60E+09	-119.31	-119.75	6.60		
6.60E+09	-119.49	-121.03	6.60		
6.60E+09	-120.21	-119.46	6.60		
6.60E+09	-120.54	-120.49	6.60		
6.61E+09	-120.32	-120.35	6.61		

6-7 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power		Comparison	
No power line		cord on the ground		20-Dec	
on the ground		connecting shed		minus the Ambient scan	
9-Dec-10		20-Dec-10	Freq MHz	dBm	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	3.00	
6.61E+09	-119.23	-119.86	6.61		
6.61E+09	-120.84	-120.83	6.61		
6.61E+09	-119.81	-119.39	6.61		
6.62E+09	-120.30	-120.20	6.62		
6.62E+09	-121.43	-120.09	6.62		
6.62E+09	-120.09	-121.22	6.62		
6.62E+09	-119.82	-119.17	6.62		
6.63E+09	-120.63	-119.79	6.63		
6.63E+09	-118.87	-119.92	6.63		
6.63E+09	-119.63	-120.92	6.63		
6.63E+09	-121.41	-121.51	6.63		
6.64E+09	-120.77	-119.72	6.64		
6.64E+09	-119.02	-119.39	6.64		
6.64E+09	-119.51	-118.42	6.64		
6.64E+09	-119.66	-119.63	6.64		
6.65E+09	-119.26	-120.87	6.65		
6.65E+09	-121.18	-118.40	6.65		
6.65E+09	-120.74	-120.53	6.65		
6.65E+09	-120.52	-120.51	6.65		
6.66E+09	-119.88	-121.36	6.66		
6.66E+09	-120.08	-120.29	6.66		
6.66E+09	-119.89	-120.11	6.66		
6.66E+09	-119.78	-121.03	6.66		
6.67E+09	-120.54	-120.16	6.67		
6.67E+09	-119.87	-120.36	6.67		
6.67E+09	-122.45	-120.48	6.67		
6.67E+09	-119.71	-119.62	6.67		

6-7 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power		Comparison	
No power line		cord on the ground		20-Dec	
on the ground		connecting shed		minus the Ambient scan	
9-Dec-10		20-Dec-10	Freq MHz	dBm	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	3.00	
6.68E+09	-120.94	-119.55	6.68		
6.68E+09	-121.15	-119.64	6.68		
6.68E+09	-120.98	-122.10	6.68		
6.68E+09	-120.92	-119.15	6.68		
6.69E+09	-119.79	-120.54	6.69		
6.69E+09	-121.42	-121.00	6.69		
6.69E+09	-120.52	-119.76	6.69		
6.69E+09	-120.19	-121.18	6.69		
6.70E+09	-121.17	-119.50	6.70		
6.70E+09	-120.42	-121.51	6.70		
6.70E+09	-119.51	-120.14	6.70		
6.70E+09	-118.21	-121.32	6.70	-3.11	
6.71E+09	-121.00	-119.37	6.71		
6.71E+09	-121.08	-120.70	6.71		
6.71E+09	-120.69	-120.80	6.71		
6.71E+09	-119.43	-120.17	6.71		
6.72E+09	-120.89	-119.34	6.72		
6.72E+09	-120.08	-120.80	6.72		
6.72E+09	-120.52	-120.36	6.72		
6.72E+09	-118.22	-119.71	6.72		
6.73E+09	-120.73	-119.72	6.73		
6.73E+09	-121.17	-120.23	6.73		
6.73E+09	-120.63	-119.95	6.73		
6.73E+09	-120.66	-118.93	6.73		
6.74E+09	-120.24	-120.04	6.74		
6.74E+09	-120.16	-120.58	6.74		
6.74E+09	-120.43	-120.83	6.74		

6-7 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power		Comparison	
No power line		cord on the ground		20-Dec	
on the ground		connecting shed		minus the Ambient scan	
9-Dec-10		20-Dec-10	Freq MHz	dBm	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	3.00	
6.74E+09	-120.57	-120.01	6.74		
6.75E+09	-121.06	-120.32	6.75		
6.75E+09	-120.29	-120.06	6.75		
6.75E+09	-121.28	-120.23	6.75		
6.75E+09	-120.40	-120.22	6.75		
6.76E+09	-120.18	-119.59	6.76		
6.76E+09	-119.08	-119.36	6.76		
6.76E+09	-120.31	-120.29	6.76		
6.76E+09	-120.14	-120.15	6.76		
6.77E+09	-120.69	-120.03	6.77		
6.77E+09	-119.73	-120.40	6.77		
6.77E+09	-121.28	-120.54	6.77		
6.77E+09	-120.93	-119.88	6.77		
6.78E+09	-120.21	-121.07	6.78		
6.78E+09	-119.99	-119.81	6.78		
6.78E+09	-120.23	-120.94	6.78		
6.78E+09	-119.51	-120.66	6.78		
6.79E+09	-119.87	-120.64	6.79		
6.79E+09	-119.61	-118.86	6.79		
6.79E+09	-120.14	-119.83	6.79		
6.79E+09	-121.29	-119.19	6.79		
6.80E+09	-120.49	-119.83	6.80		
6.80E+09	-120.03	-119.88	6.80		
6.80E+09	-120.06	-121.15	6.80		
6.80E+09	-119.25	-120.27	6.80		
6.81E+09	-120.49	-120.84	6.81		
6.81E+09	-120.33	-121.17	6.81		

6-7 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power		Comparison	
No power line		cord on the ground		20-Dec	
on the ground		connecting shed		minus the Ambient scan	
9-Dec-10		20-Dec-10	Freq MHz	dBm	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	3.00	
6.81E+09	-121.26	-121.07	6.81		
6.81E+09	-120.19	-121.43	6.81		
6.82E+09	-120.37	-118.87	6.82		
6.82E+09	-119.90	-120.07	6.82		
6.82E+09	-119.98	-120.45	6.82		
6.82E+09	-119.83	-121.17	6.82		
6.83E+09	-120.59	-119.79	6.83		
6.83E+09	-118.99	-119.57	6.83		
6.83E+09	-119.54	-119.46	6.83		
6.83E+09	-121.42	-119.20	6.83		
6.84E+09	-120.99	-120.55	6.84		
6.84E+09	-119.56	-120.02	6.84		
6.84E+09	-121.03	-119.44	6.84		
6.84E+09	-120.44	-119.82	6.84		
6.85E+09	-121.95	-118.72	6.85	3.23	
6.85E+09	-120.48	-118.74	6.85		
6.85E+09	-117.83	-119.82	6.85		
6.85E+09	-120.28	-120.11	6.85		
6.86E+09	-120.34	-119.57	6.86		
6.86E+09	-120.61	-119.03	6.86		
6.86E+09	-120.94	-120.72	6.86		
6.86E+09	-119.58	-121.35	6.86		
6.87E+09	-122.19	-120.18	6.87		
6.87E+09	-120.81	-119.25	6.87		
6.87E+09	-119.49	-120.09	6.87		
6.87E+09	-120.01	-118.38	6.87		
6.88E+09	-121.22	-118.95	6.88		

6-7 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power		Comparison	
No power line		cord on the ground		20-Dec	
on the ground		connecting shed		minus the Ambient scan	
9-Dec-10		20-Dec-10	Freq MHz	dBm	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >		
6.88E+09	-121.83	-117.56	6.88		3.00
6.88E+09	-120.01	-119.86	6.88		4.27
6.88E+09	-119.38	-119.63	6.88		
6.89E+09	-119.92	-119.75	6.89		
6.89E+09	-120.46	-120.86	6.89		
6.89E+09	-120.66	-118.66	6.89		
6.89E+09	-119.54	-121.42	6.89		
6.90E+09	-120.20	-119.34	6.90		
6.90E+09	-121.33	-120.51	6.90		
6.90E+09	-118.95	-120.67	6.90		
6.90E+09	-122.70	-121.45	6.90		
6.91E+09	-119.78	-120.75	6.91		
6.91E+09	-120.90	-119.59	6.91		
6.91E+09	-120.54	-120.83	6.91		
6.91E+09	-119.07	-120.67	6.91		
6.92E+09	-120.49	-120.15	6.92		
6.92E+09	-121.21	-120.46	6.92		
6.92E+09	-120.06	-119.56	6.92		
6.92E+09	-119.10	-120.32	6.92		
6.93E+09	-118.48	-119.62	6.93		
6.93E+09	-120.24	-119.88	6.93		
6.93E+09	-119.68	-121.18	6.93		
6.93E+09	-119.96	-120.54	6.93		
6.94E+09	-120.15	-121.48	6.94		
6.94E+09	-120.79	-119.97	6.94		
6.94E+09	-121.81	-119.68	6.94		
6.94E+09	-120.81	-120.19	6.94		

6-7 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power		Comparison	
No power line		cord on the ground		20-Dec	
on the ground		connecting shed		minus the Ambient scan	
9-Dec-10		20-Dec-10	Freq MHz	dBm	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	3.00	
6.95E+09	-119.81	-118.56	6.95		
6.95E+09	-119.11	-120.61	6.95		
6.95E+09	-121.19	-119.57	6.95		
6.95E+09	-119.28	-119.94	6.95		
6.96E+09	-120.46	-119.13	6.96		
6.96E+09	-120.35	-119.33	6.96		
6.96E+09	-120.95	-120.78	6.96		
6.96E+09	-121.40	-120.01	6.96		
6.97E+09	-120.02	-120.38	6.97		
6.97E+09	-120.88	-119.74	6.97		
6.97E+09	-120.11	-118.84	6.97		
6.97E+09	-121.14	-118.81	6.97		
6.98E+09	-119.78	-121.45	6.98		
6.98E+09	-121.07	-121.58	6.98		
6.98E+09	-119.04	-120.29	6.98		
6.98E+09	-121.14	-120.33	6.98		
6.99E+09	-120.20	-121.33	6.99		
6.99E+09	-120.18	-119.18	6.99		
6.99E+09	-120.05	-120.67	6.99		
6.99E+09	-119.59	-119.86	6.99		
7.00E+09	-120.37	-119.44	7.00		
7.00E+09	-121.13	-119.16	7.00		
7.00E+09	-119.52	-119.07	7.00		
			Sum of Column	8.43	

Attenuation (dB)
 0.00E+00

Center Frequency (Hz)
 6.50E+09

Date/Time
 12/20/2010 14:12

Instrument Model
 E4407B

Instrument Serial Number
 MY45116875

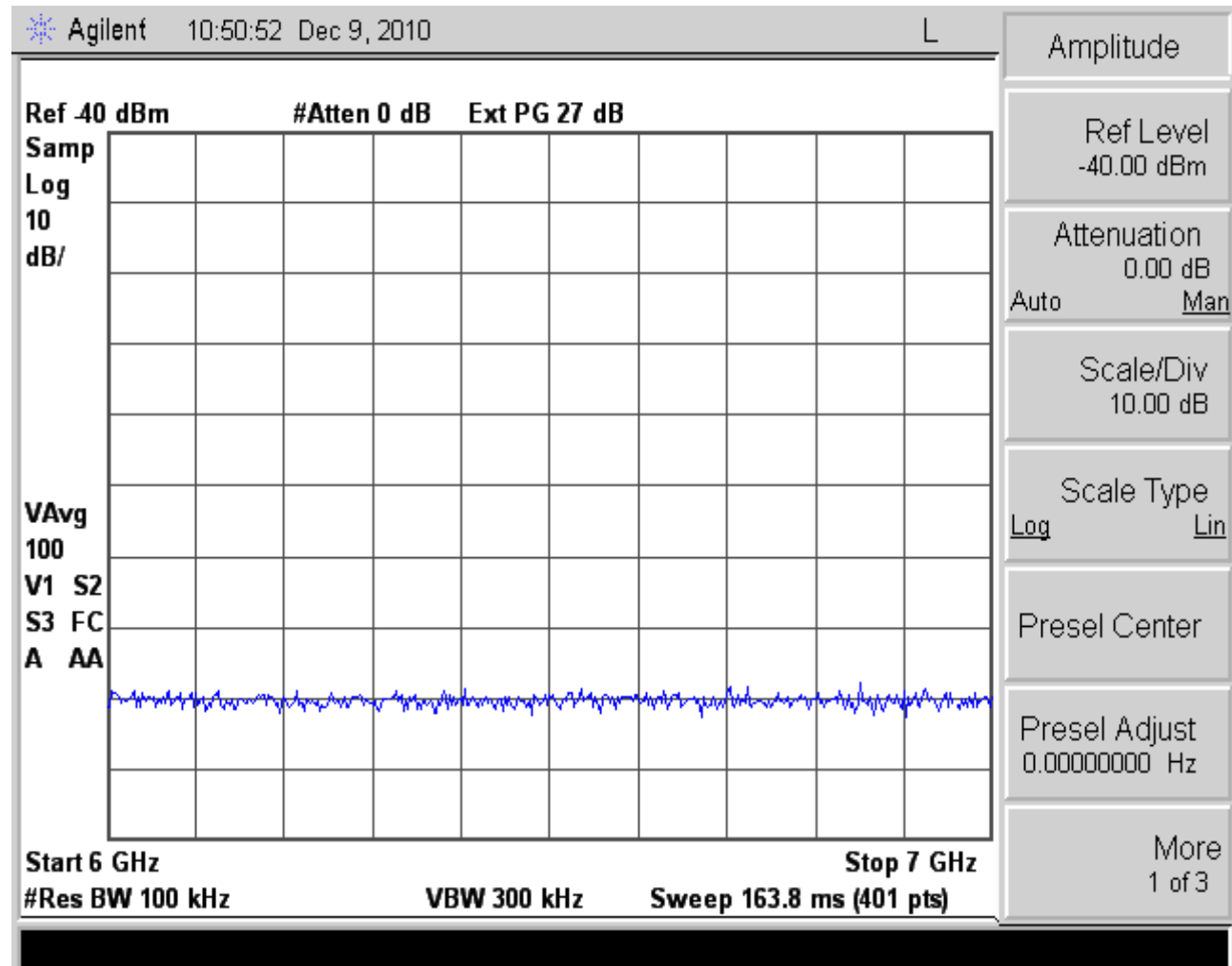
Reference Level (dBm)
 -4.00E+01

Resolution BW (Hz)
 1.00E+05

Scale Type
 LOG

Span Frequency (Hz)
 1.00E+09

Start Frequency (Hz)
 6.00E+09

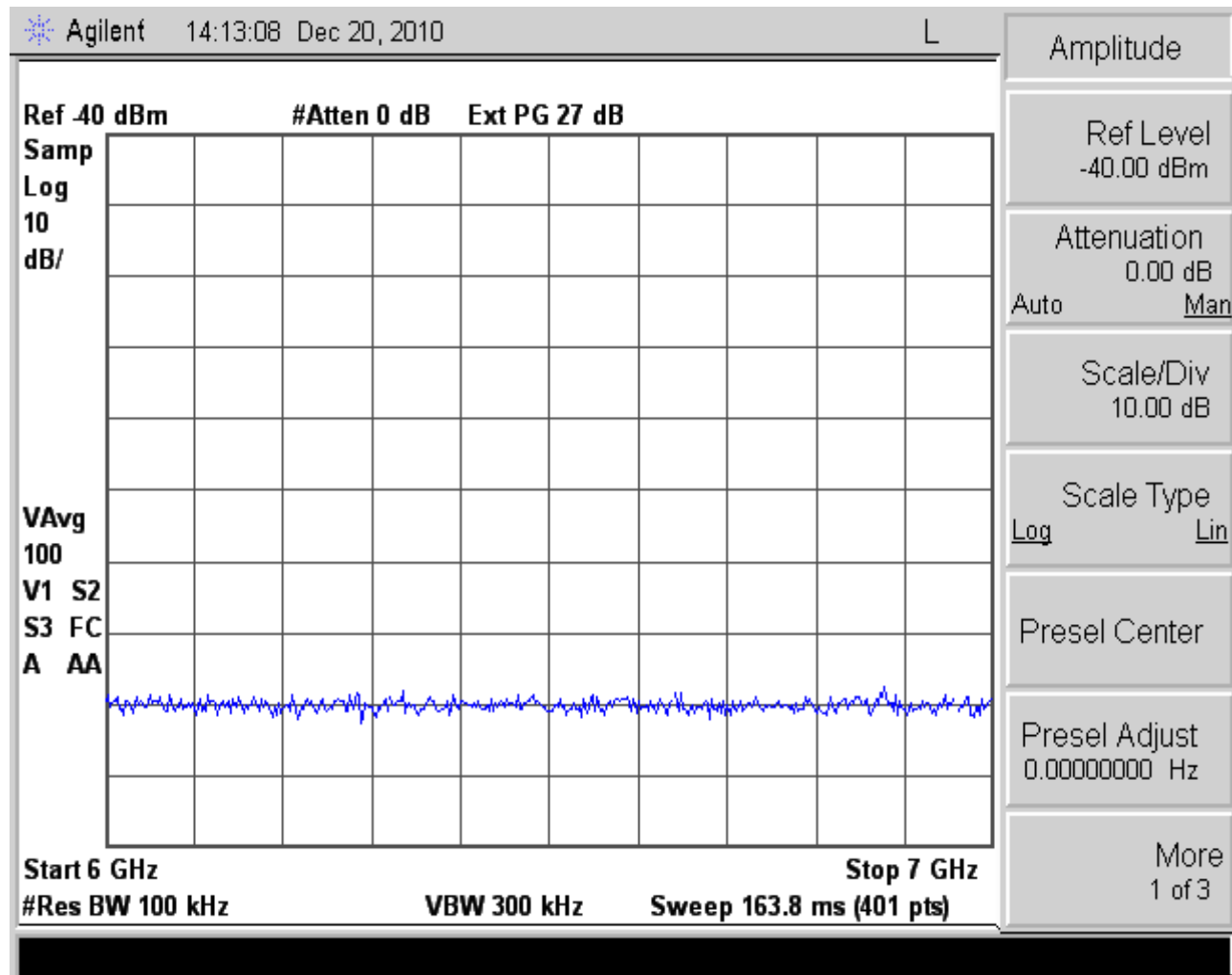


Stop Frequency (Hz)
7.00E+09

Sweep Number Of Points
401

Sweep Time (seconds)
1.64E-01

Video BW (Hz)
3.00E+05



7-8 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power cord on the ground	Comparison	
No power line on the ground		connecting shed	20-Dec minus the Ambient scan	
9-Dec-10		20-Dec-10	Freq MHz	dBm
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	
7.00E+09	-118.34	-118.71	7.00	3.00
7.00E+09	-118.29	-120.14	7.00	
7.01E+09	-117.55	-119.99	7.01	
7.01E+09	-118.15	-119.75	7.01	
7.01E+09	-118.14	-119.04	7.01	
7.01E+09	-117.45	-119.97	7.01	
7.02E+09	-118.42	-118.69	7.02	
7.02E+09	-119.17	-119.61	7.02	
7.02E+09	-118.01	-120.07	7.02	
7.02E+09	-117.96	-119.04	7.02	
7.03E+09	-118.23	-118.28	7.03	
7.03E+09	-118.14	-119.05	7.03	
7.03E+09	-117.73	-120.02	7.03	
7.03E+09	-118.04	-119.19	7.03	
7.04E+09	-117.87	-120.24	7.04	
7.04E+09	-118.59	-118.58	7.04	
7.04E+09	-118.48	-119.07	7.04	
7.04E+09	-117.80	-119.26	7.04	
7.05E+09	-117.59	-119.18	7.05	
7.05E+09	-118.01	-119.20	7.05	
7.05E+09	-118.01	-118.96	7.05	
7.05E+09	-119.01	-120.06	7.05	
7.06E+09	-117.52	-119.39	7.06	
7.06E+09	-117.65	-119.60	7.06	
7.06E+09	-118.04	-118.22	7.06	
7.06E+09	-118.01	-118.51	7.06	

7-8 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power cord on the ground	Comparison	
No power line on the ground		connecting shed	20-Dec minus the Ambient scan	
9-Dec-10	20-Dec-10	Freq MHz	dBm	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	3.00
7.07E+09	-118.22	-119.91	7.07	
7.07E+09	-117.95	-118.79	7.07	
7.07E+09	-118.32	-119.62	7.07	
7.07E+09	-117.99	-120.43	7.07	
7.08E+09	-118.06	-119.91	7.08	
7.08E+09	-118.25	-118.89	7.08	
7.08E+09	-118.50	-119.68	7.08	
7.08E+09	-119.10	-118.82	7.08	
7.09E+09	-118.21	-120.21	7.09	
7.09E+09	-118.03	-119.49	7.09	
7.09E+09	-118.24	-118.92	7.09	
7.09E+09	-118.44	-118.61	7.09	
7.10E+09	-119.00	-120.02	7.10	
7.10E+09	-118.78	-119.79	7.10	
7.10E+09	-117.36	-119.80	7.10	
7.10E+09	-117.64	-119.52	7.10	
7.11E+09	-118.07	-119.08	7.11	
7.11E+09	-118.33	-118.95	7.11	
7.11E+09	-117.95	-119.62	7.11	
7.11E+09	-118.43	-120.04	7.11	
7.12E+09	-117.42	-118.29	7.12	
7.12E+09	-117.85	-119.72	7.12	
7.12E+09	-118.55	-119.17	7.12	
7.12E+09	-117.89	-119.43	7.12	
7.13E+09	-118.82	-119.87	7.13	
7.13E+09	-117.88	-120.44	7.13	
7.13E+09	-117.84	-118.90	7.13	

7-8 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power cord on the ground	Comparison	
No power line on the ground		connecting shed	20-Dec minus the Ambient scan	
9-Dec-10	20-Dec-10	Freq MHz	dBm	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	3.00
7.13E+09	-117.33	-120.18	7.13	
7.14E+09	-117.80	-118.31	7.14	
7.14E+09	-118.04	-119.47	7.14	
7.14E+09	-117.97	-119.21	7.14	
7.14E+09	-117.88	-119.62	7.14	
7.15E+09	-118.60	-119.97	7.15	
7.15E+09	-117.96	-120.13	7.15	
7.15E+09	-118.52	-119.11	7.15	
7.15E+09	-118.58	-120.35	7.15	
7.16E+09	-118.64	-119.80	7.16	
7.16E+09	-118.29	-119.44	7.16	
7.16E+09	-118.22	-118.79	7.16	
7.16E+09	-118.80	-120.21	7.16	
7.17E+09	-118.34	-120.79	7.17	
7.17E+09	-118.06	-119.13	7.17	
7.17E+09	-118.08	-119.61	7.17	
7.17E+09	-119.02	-118.94	7.17	
7.18E+09	-117.75	-119.70	7.18	
7.18E+09	-118.30	-119.48	7.18	
7.18E+09	-118.25	-119.75	7.18	
7.18E+09	-117.75	-119.67	7.18	
7.19E+09	-118.86	-119.30	7.19	
7.19E+09	-118.20	-119.79	7.19	
7.19E+09	-118.21	-119.51	7.19	
7.19E+09	-118.31	-120.26	7.19	
7.20E+09	-118.86	-118.90	7.20	
7.20E+09	-118.64	-119.18	7.20	

7-8 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power cord on the ground	Comparison	
No power line on the ground		connecting shed	20-Dec minus the Ambient scan	
9-Dec-10	20-Dec-10	Freq MHz	dBm	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	
7.20E+09	-118.31	-119.59	7.20	3.00
7.20E+09	-118.22	-118.87	7.20	
7.21E+09	-117.79	-119.67	7.21	
7.21E+09	-117.10	-119.66	7.21	
7.21E+09	-118.32	-118.75	7.21	
7.21E+09	-118.41	-119.91	7.21	
7.22E+09	-117.72	-119.28	7.22	
7.22E+09	-117.49	-119.01	7.22	
7.22E+09	-117.81	-118.41	7.22	
7.22E+09	-118.59	-118.13	7.22	
7.23E+09	-118.24	-119.36	7.23	
7.23E+09	-117.71	-119.08	7.23	
7.23E+09	-117.69	-118.60	7.23	
7.23E+09	-118.22	-119.53	7.23	
7.24E+09	-117.78	-119.29	7.24	
7.24E+09	-117.81	-118.96	7.24	
7.24E+09	-117.79	-119.22	7.24	
7.24E+09	-118.89	-118.80	7.24	
7.25E+09	-118.28	-118.93	7.25	
7.25E+09	-117.60	-119.07	7.25	
7.25E+09	-117.14	-119.00	7.25	
7.25E+09	-117.45	-119.32	7.25	
7.26E+09	-119.10	-118.79	7.26	
7.26E+09	-118.27	-120.53	7.26	
7.26E+09	-117.68	-119.04	7.26	
7.26E+09	-117.85	-119.38	7.26	
7.27E+09	-117.39	-119.49	7.27	

7-8 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power cord on the ground		Comparison	
No power line on the ground		connecting shed		20-Dec minus the Ambient scan	
9-Dec-10		20-Dec-10		Freq MHz	dBm
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit	>	3.00
7.27E+09	-118.33	-119.64	7.27		
7.27E+09	-116.92	-119.89	7.27		
7.27E+09	-117.68	-119.76	7.27		
7.28E+09	-118.44	-119.33	7.28		
7.28E+09	-117.43	-118.67	7.28		
7.28E+09	-117.90	-119.26	7.28		
7.28E+09	-117.97	-120.68	7.28		
7.29E+09	-118.03	-119.34	7.29		
7.29E+09	-118.12	-120.41	7.29		
7.29E+09	-117.59	-119.50	7.29		
7.29E+09	-117.54	-119.11	7.29		
7.30E+09	-117.89	-118.77	7.30		
7.30E+09	-117.90	-119.76	7.30		
7.30E+09	-118.29	-118.17	7.30		
7.30E+09	-118.10	-119.08	7.30		
7.31E+09	-117.60	-119.51	7.31		
7.31E+09	-117.55	-119.59	7.31		
7.31E+09	-117.29	-119.15	7.31		
7.31E+09	-118.03	-119.14	7.31		
7.32E+09	-117.40	-118.90	7.32		
7.32E+09	-118.36	-119.75	7.32		
7.32E+09	-118.03	-117.87	7.32		
7.32E+09	-118.08	-121.11	7.32		-3.03
7.33E+09	-117.67	-119.50	7.33		
7.33E+09	-117.68	-119.47	7.33		
7.33E+09	-117.76	-119.83	7.33		
7.33E+09	-117.57	-119.20	7.33		

7-8 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power cord on the ground	Comparison	
No power line on the ground		connecting shed	20-Dec minus the Ambient scan	
9-Dec-10	20-Dec-10	Freq MHz	dBm	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	
7.34E+09	-118.10	-118.42	7.34	3.00
7.34E+09	-117.67	-119.21	7.34	
7.34E+09	-117.15	-119.32	7.34	
7.34E+09	-119.51	-120.09	7.34	
7.35E+09	-117.61	-120.02	7.35	
7.35E+09	-117.36	-119.45	7.35	
7.35E+09	-117.57	-118.35	7.35	
7.35E+09	-117.54	-118.81	7.35	
7.36E+09	-118.29	-118.88	7.36	
7.36E+09	-117.72	-119.48	7.36	
7.36E+09	-117.27	-120.37	7.36	-3.10
7.36E+09	-117.38	-118.92	7.36	
7.37E+09	-118.13	-118.81	7.37	
7.37E+09	-117.65	-118.99	7.37	
7.37E+09	-117.26	-118.34	7.37	
7.37E+09	-118.16	-119.02	7.37	
7.38E+09	-117.78	-119.29	7.38	
7.38E+09	-117.71	-119.44	7.38	
7.38E+09	-117.25	-118.01	7.38	
7.38E+09	-117.94	-118.50	7.38	
7.39E+09	-118.58	-118.52	7.39	
7.39E+09	-118.11	-120.05	7.39	
7.39E+09	-118.08	-119.01	7.39	
7.39E+09	-117.62	-119.25	7.39	
7.40E+09	-118.24	-118.86	7.40	
7.40E+09	-117.36	-120.31	7.40	
7.40E+09	-117.21	-118.81	7.40	

7-8 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power cord on the ground	Comparison	
No power line on the ground		connecting shed	20-Dec minus the Ambient scan	
9-Dec-10	20-Dec-10	Freq MHz	dBm	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	
7.40E+09	-117.76	-120.26	7.40	3.00
7.41E+09	-116.95	-119.41	7.41	
7.41E+09	-117.71	-117.98	7.41	
7.41E+09	-117.71	-118.37	7.41	
7.41E+09	-117.66	-118.05	7.41	
7.42E+09	-117.81	-119.59	7.42	
7.42E+09	-117.92	-118.57	7.42	
7.42E+09	-117.87	-119.50	7.42	
7.42E+09	-118.02	-120.53	7.42	
7.43E+09	-117.55	-119.53	7.43	
7.43E+09	-118.14	-118.64	7.43	
7.43E+09	-117.58	-118.72	7.43	
7.43E+09	-117.90	-119.46	7.43	
7.44E+09	-117.62	-118.99	7.44	
7.44E+09	-117.98	-119.19	7.44	
7.44E+09	-118.20	-120.40	7.44	
7.44E+09	-117.76	-118.35	7.44	
7.45E+09	-117.43	-119.29	7.45	
7.45E+09	-117.56	-119.84	7.45	
7.45E+09	-117.12	-119.00	7.45	
7.45E+09	-118.06	-118.66	7.45	
7.46E+09	-116.49	-119.83	7.46	-3.34
7.46E+09	-117.89	-119.93	7.46	
7.46E+09	-117.76	-118.97	7.46	
7.46E+09	-117.58	-118.71	7.46	
7.47E+09	-117.99	-119.81	7.47	
7.47E+09	-117.26	-119.56	7.47	

7-8 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power cord on the ground	Comparison	
No power line on the ground		connecting shed	20-Dec minus the Ambient scan	
9-Dec-10	20-Dec-10	Freq MHz	dBm	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	3.00
7.47E+09	-117.50	-120.08	7.47	
7.47E+09	-117.90	-119.75	7.47	
7.48E+09	-117.67	-120.15	7.48	
7.48E+09	-117.71	-119.04	7.48	
7.48E+09	-117.72	-119.93	7.48	
7.48E+09	-117.88	-119.21	7.48	
7.49E+09	-118.43	-120.18	7.49	
7.49E+09	-117.57	-119.16	7.49	
7.49E+09	-118.09	-119.03	7.49	
7.49E+09	-118.77	-119.74	7.49	
7.50E+09	-118.79	-119.98	7.50	
7.50E+09	-117.81	-119.80	7.50	
7.50E+09	-118.00	-118.65	7.50	
7.50E+09	-118.76	-121.70	7.50	
7.51E+09	-118.24	-119.23	7.51	
7.51E+09	-118.31	-119.82	7.51	
7.51E+09	-118.30	-119.73	7.51	
7.51E+09	-118.54	-119.18	7.51	
7.52E+09	-118.61	-119.75	7.52	
7.52E+09	-118.50	-120.27	7.52	
7.52E+09	-118.29	-119.90	7.52	
7.52E+09	-117.95	-119.86	7.52	
7.53E+09	-118.22	-119.53	7.53	
7.53E+09	-118.02	-118.20	7.53	
7.53E+09	-118.03	-119.22	7.53	
7.53E+09	-118.48	-121.08	7.53	
7.54E+09	-117.99	-119.99	7.54	

7-8 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power cord on the ground	Comparison	
No power line on the ground		connecting shed	20-Dec minus the Ambient scan	
9-Dec-10	20-Dec-10	Freq MHz	dBm	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	
7.54E+09	-118.03	-120.66	7.54	3.00
7.54E+09	-117.75	-119.83	7.54	
7.54E+09	-119.08	-120.27	7.54	
7.55E+09	-118.38	-120.71	7.55	
7.55E+09	-118.82	-120.51	7.55	
7.55E+09	-117.95	-120.75	7.55	
7.55E+09	-117.83	-119.14	7.55	
7.56E+09	-118.22	-119.81	7.56	
7.56E+09	-118.30	-119.01	7.56	
7.56E+09	-118.11	-121.57	7.56	-3.46
7.56E+09	-118.26	-120.22	7.56	
7.57E+09	-118.59	-119.61	7.57	
7.57E+09	-118.12	-119.38	7.57	
7.57E+09	-118.49	-120.18	7.57	
7.57E+09	-118.39	-119.50	7.57	
7.58E+09	-118.55	-119.49	7.58	
7.58E+09	-118.45	-120.15	7.58	
7.58E+09	-117.78	-120.88	7.58	-3.10
7.58E+09	-118.17	-119.32	7.58	
7.59E+09	-116.74	-119.74	7.59	
7.59E+09	-117.91	-118.33	7.59	
7.59E+09	-118.04	-119.23	7.59	
7.59E+09	-118.97	-119.66	7.59	
7.60E+09	-118.42	-119.29	7.60	
7.60E+09	-117.99	-119.87	7.60	
7.60E+09	-117.61	-118.78	7.60	
7.60E+09	-118.18	-118.36	7.60	

7-8 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power cord on the ground	Comparison	
No power line on the ground		connecting shed	20-Dec minus the Ambient scan	
9-Dec-10	20-Dec-10	Freq MHz	dBm	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	
7.61E+09	-118.19	-119.02	7.61	3.00
7.61E+09	-118.28	-120.26	7.61	
7.61E+09	-117.95	-120.24	7.61	
7.61E+09	-117.90	-119.25	7.61	
7.62E+09	-118.18	-119.37	7.62	
7.62E+09	-117.83	-118.17	7.62	
7.62E+09	-117.43	-118.93	7.62	
7.62E+09	-117.80	-120.05	7.62	
7.63E+09	-118.33	-118.64	7.63	
7.63E+09	-117.14	-119.89	7.63	
7.63E+09	-117.69	-118.88	7.63	
7.63E+09	-117.06	-118.92	7.63	
7.64E+09	-117.59	-118.47	7.64	
7.64E+09	-117.85	-119.57	7.64	
7.64E+09	-117.46	-119.78	7.64	
7.64E+09	-117.65	-119.95	7.64	
7.65E+09	-117.23	-118.95	7.65	
7.65E+09	-118.04	-119.80	7.65	
7.65E+09	-117.81	-120.33	7.65	
7.65E+09	-118.22	-119.48	7.65	
7.66E+09	-117.28	-119.58	7.66	
7.66E+09	-118.13	-120.02	7.66	
7.66E+09	-118.10	-119.62	7.66	
7.66E+09	-116.76	-119.71	7.66	
7.67E+09	-118.18	-119.33	7.67	
7.67E+09	-117.34	-119.70	7.67	
7.67E+09	-118.10	-119.37	7.67	

7-8 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power cord on the ground	Comparison	
No power line on the ground		connecting shed	20-Dec minus the Ambient scan	
9-Dec-10	20-Dec-10	Freq MHz	dBm	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	
7.67E+09	-117.90	-119.94	7.67	
7.68E+09	-118.28	-118.89	7.68	
7.68E+09	-118.28	-120.51	7.68	
7.68E+09	-118.16	-120.00	7.68	
7.68E+09	-119.10	-120.49	7.68	
7.69E+09	-118.32	-119.73	7.69	
7.69E+09	-118.24	-120.49	7.69	
7.69E+09	-118.03	-120.32	7.69	
7.69E+09	-118.63	-119.51	7.69	
7.70E+09	-118.94	-119.47	7.70	
7.70E+09	-118.44	-119.76	7.70	
7.70E+09	-118.32	-121.02	7.70	
7.70E+09	-118.86	-119.43	7.70	
7.71E+09	-118.42	-120.24	7.71	
7.71E+09	-117.90	-121.66	7.71	-3.76
7.71E+09	-118.87	-119.33	7.71	
7.71E+09	-118.27	-119.04	7.71	
7.72E+09	-117.94	-119.13	7.72	
7.72E+09	-118.42	-120.15	7.72	
7.72E+09	-118.78	-120.40	7.72	
7.72E+09	-118.79	-120.08	7.72	
7.73E+09	-118.99	-119.01	7.73	
7.73E+09	-118.09	-121.24	7.73	-3.15
7.73E+09	-118.07	-119.31	7.73	
7.73E+09	-118.72	-118.98	7.73	
7.74E+09	-118.21	-119.57	7.74	
7.74E+09	-118.37	-119.52	7.74	

7-8 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power cord on the ground	Comparison	
No power line on the ground		connecting shed	20-Dec minus the Ambient scan	
9-Dec-10	20-Dec-10	Freq MHz	dBm	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	3.00
7.74E+09	-119.06	-120.46	7.74	
7.74E+09	-119.76	-120.09	7.74	
7.75E+09	-118.72	-118.72	7.75	
7.75E+09	-118.33	-119.47	7.75	
7.75E+09	-118.54	-119.57	7.75	
7.75E+09	-118.43	-120.99	7.75	
7.76E+09	-118.71	-120.33	7.76	
7.76E+09	-119.23	-120.02	7.76	
7.76E+09	-117.61	-118.79	7.76	
7.76E+09	-119.13	-119.86	7.76	
7.77E+09	-118.75	-120.01	7.77	
7.77E+09	-118.38	-119.56	7.77	
7.77E+09	-119.05	-120.16	7.77	
7.77E+09	-118.40	-119.39	7.77	
7.78E+09	-118.39	-120.51	7.78	
7.78E+09	-118.13	-119.19	7.78	
7.78E+09	-118.98	-119.40	7.78	
7.78E+09	-118.28	-120.93	7.78	
7.79E+09	-117.87	-118.31	7.79	
7.79E+09	-119.06	-120.05	7.79	
7.79E+09	-118.86	-120.03	7.79	
7.79E+09	-118.23	-120.48	7.79	
7.80E+09	-117.50	-119.93	7.80	
7.80E+09	-118.42	-119.92	7.80	
7.80E+09	-118.54	-119.89	7.80	
7.80E+09	-118.14	-119.64	7.80	
7.81E+09	-118.18	-119.07	7.81	

7-8 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power cord on the ground	Comparison	
No power line on the ground		connecting shed	20-Dec minus the Ambient scan	
9-Dec-10	20-Dec-10	Freq MHz	dBm	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	
7.81E+09	-118.65	-119.87	7.81	3.00
7.81E+09	-118.46	-120.06	7.81	
7.81E+09	-118.15	-120.12	7.81	
7.82E+09	-116.95	-119.06	7.82	
7.82E+09	-118.19	-118.38	7.82	
7.82E+09	-117.78	-119.60	7.82	
7.82E+09	-117.94	-119.14	7.82	
7.83E+09	-117.90	-119.14	7.83	
7.83E+09	-118.45	-119.85	7.83	
7.83E+09	-118.18	-120.28	7.83	
7.83E+09	-118.79	-118.01	7.83	
7.84E+09	-117.67	-119.50	7.84	
7.84E+09	-118.53	-119.66	7.84	
7.84E+09	-117.40	-119.65	7.84	
7.84E+09	-118.16	-119.33	7.84	
7.85E+09	-117.97	-119.77	7.85	
7.85E+09	-118.22	-118.99	7.85	
7.85E+09	-118.57	-118.63	7.85	
7.85E+09	-118.20	-119.13	7.85	
7.86E+09	-118.40	-120.18	7.86	
7.86E+09	-118.14	-120.34	7.86	
7.86E+09	-118.38	-119.64	7.86	
7.86E+09	-118.50	-120.94	7.86	
7.87E+09	-118.86	-119.34	7.87	
7.87E+09	-117.74	-120.26	7.87	
7.87E+09	-118.19	-118.26	7.87	
7.87E+09	-118.43	-119.67	7.87	

7-8 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power cord on the ground	Comparison	
No power line on the ground		connecting shed	20-Dec minus the Ambient scan	
9-Dec-10	20-Dec-10	Freq MHz	dBm	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	
7.88E+09	-118.36	-120.50	7.88	3.00
7.88E+09	-118.42	-120.00	7.88	
7.88E+09	-118.97	-119.83	7.88	
7.88E+09	-118.26	-119.41	7.88	
7.89E+09	-118.36	-118.94	7.89	
7.89E+09	-118.51	-119.53	7.89	
7.89E+09	-118.57	-120.81	7.89	
7.89E+09	-118.57	-119.93	7.89	
7.90E+09	-118.98	-119.27	7.90	
7.90E+09	-118.56	-120.72	7.90	
7.90E+09	-119.06	-119.79	7.90	
7.90E+09	-118.29	-120.70	7.90	
7.91E+09	-118.48	-118.66	7.91	
7.91E+09	-117.85	-118.85	7.91	
7.91E+09	-117.96	-119.21	7.91	
7.91E+09	-118.44	-119.66	7.91	
7.92E+09	-118.35	-119.62	7.92	
7.92E+09	-118.25	-121.10	7.92	
7.92E+09	-118.43	-119.97	7.92	
7.92E+09	-118.30	-120.29	7.92	
7.93E+09	-117.96	-121.04	7.93	-3.08
7.93E+09	-118.35	-119.48	7.93	
7.93E+09	-118.66	-119.40	7.93	
7.93E+09	-119.27	-119.10	7.93	
7.94E+09	-119.08	-119.81	7.94	
7.94E+09	-118.68	-120.37	7.94	
7.94E+09	-118.47	-119.78	7.94	

7-8 GHz Wind Turbine Monitor Shed Power Cord from 9-Dec-2010 to 28-Dec-2010

Ambient Scan		575' length of power cord on the ground		Comparison	
No power line on the ground		connecting shed		20-Dec minus the Ambient scan	
9-Dec-10		20-Dec-10	Freq MHz	dBm	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	3.00	
7.94E+09	-119.03	-119.55	7.94		
7.95E+09	-119.17	-120.47	7.95		
7.95E+09	-118.14	-119.14	7.95		
7.95E+09	-118.09	-120.18	7.95		
7.95E+09	-118.33	-118.98	7.95		
7.96E+09	-119.45	-119.58	7.96		
7.96E+09	-118.64	-120.07	7.96		
7.96E+09	-118.86	-119.28	7.96		
7.96E+09	-118.75	-119.77	7.96		
7.97E+09	-118.38	-120.01	7.97		
7.97E+09	-118.81	-120.39	7.97		
7.97E+09	-118.86	-120.46	7.97		
7.97E+09	-118.57	-118.93	7.97		
7.98E+09	-118.19	-120.44	7.98		
7.98E+09	-117.94	-120.01	7.98		
7.98E+09	-118.24	-119.80	7.98		
7.98E+09	-118.21	-118.01	7.98		
7.99E+09	-117.87	-120.31	7.99		
7.99E+09	-118.49	-118.48	7.99		
7.99E+09	-118.39	-119.67	7.99		
7.99E+09	-118.14	-119.42	7.99		
8.00E+09	-117.97	-120.12	8.00		
8.00E+09	-117.97	-119.48	8.00		
8.00E+09	-117.87	-118.22	8.00		
			Sum of Column	-26.01	

Attenuation (dB)
0.00E+00

Center Frequency (Hz)
7.50E+09

Date/Time
12/20/2010 14:15

Instrument Model
E4407B

Instrument Serial Number
MY45116875

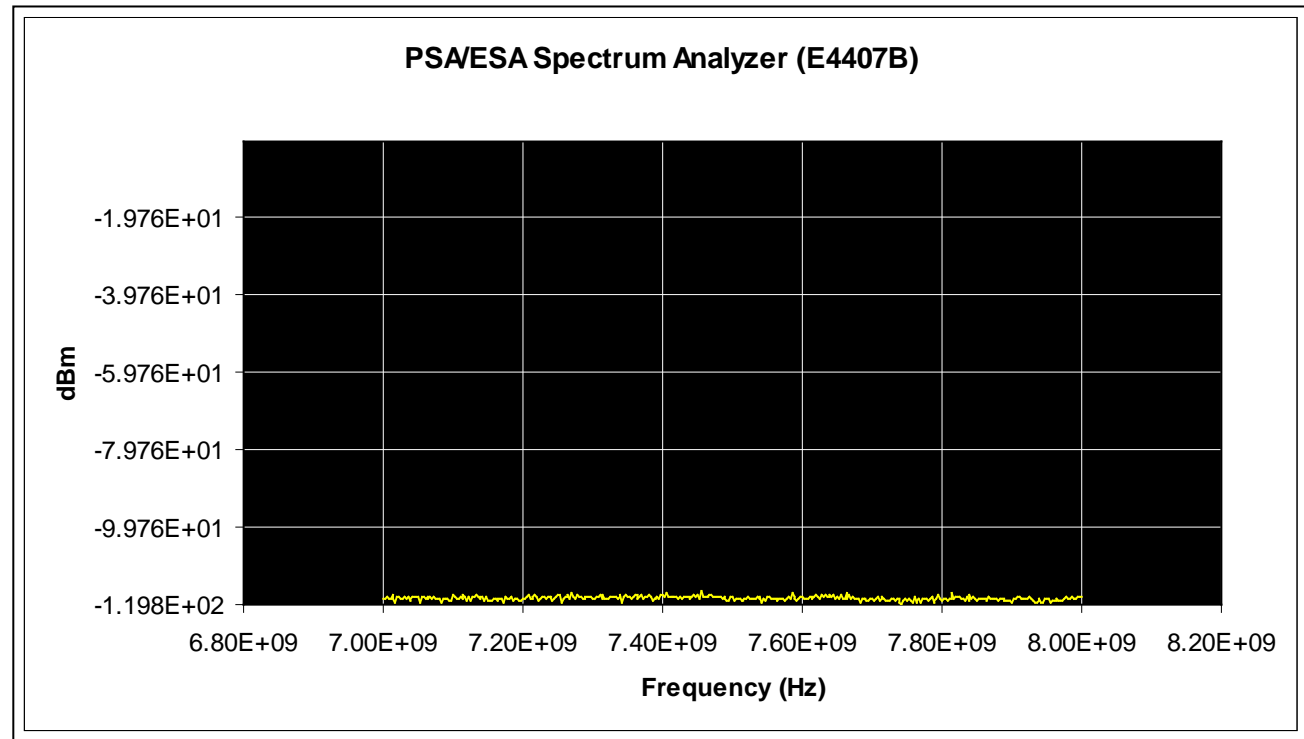
Reference Level (dBm)
-4.00E+01

Resolution BW (Hz)
1.00E+05

Scale Type
LOG

Span Frequency (Hz)
1.00E+09

Start Frequency (Hz)
7.00E+09

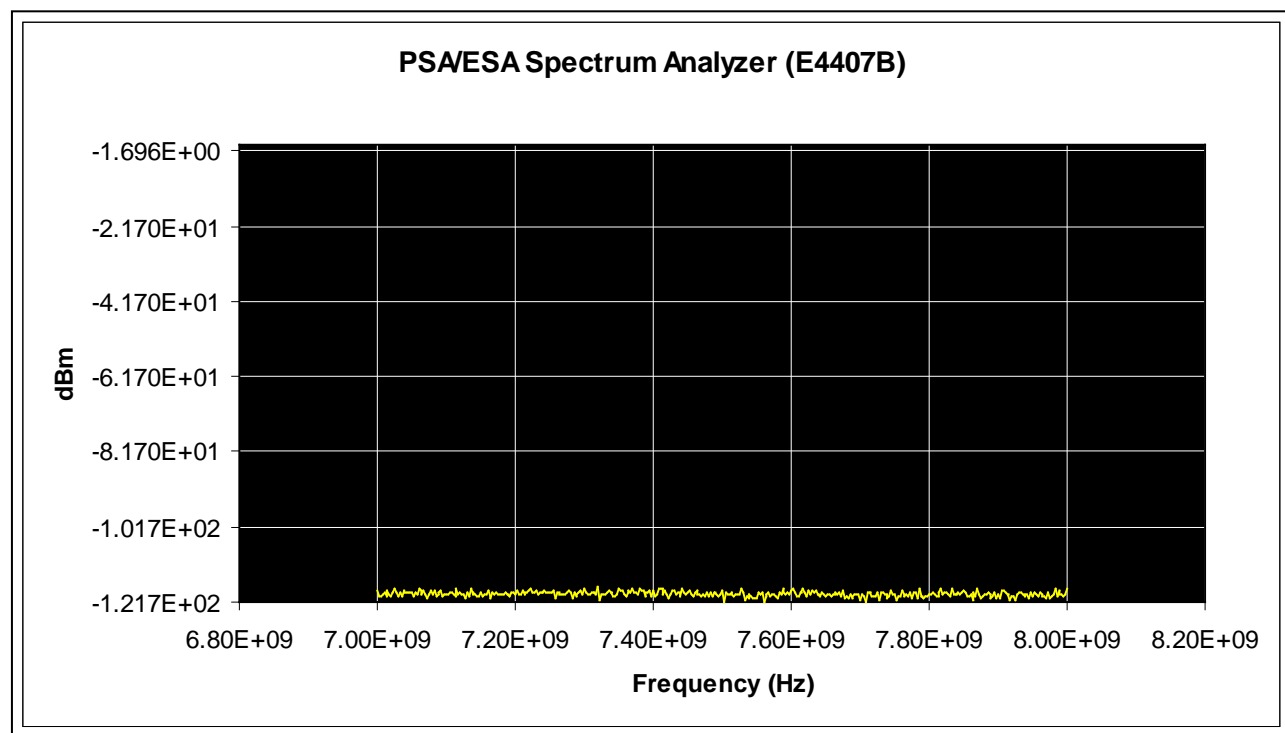


Stop Frequency (Hz)
8.00E+09

Sweep Number Of Points
401

Sweep Time (seconds)
1.64E-01

Video BW (Hz)
3.00E+05



F. WIND TURBINE CONSTRUCTION PHASE SCANS

10-200 KHz Wind Turbine Construction Phase from 6-Jan-2011 to 28-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.			Comparison				
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	2-Jan-11	28-Jan-11	Freq KHz	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	Minus the Ambient scan				
								dBm	dBm	dBm	dBm	dBm
1.00E+04	-82.07	-83.47	-81.24	-82.81	-83.72	-82.43	10.00	6.00	6.00	6.00	6.00	6.00
1.05E+04	-83.12	-84.97	-83.30	-85.12	-84.26	-84.17	10.48					
1.10E+04	-83.43	-85.48	-83.64	-84.55	-86.03	-83.54	10.95					
1.14E+04	-81.50	-83.76	-83.22	-83.85	-85.54	-82.66	11.43					
1.19E+04	-80.26	-83.66	-83.28	-84.25	-83.84	-83.47	11.90					
1.24E+04	-81.03	-84.43	-83.36	-85.11	-83.43	-84.27	12.38					
1.29E+04	-82.74	-85.29	-82.82	-85.06	-84.13	-83.02	12.85					
1.33E+04	-82.56	-84.64	-84.39	-87.20	-85.46	-84.93	13.33					
1.38E+04	-82.41	-84.79	-83.89	-87.27	-85.78	-84.44	13.80					
1.43E+04	-81.01	-84.57	-82.59	-86.79	-84.45	-84.33	14.28					
1.48E+04	-81.82	-84.43	-83.37	-85.50	-83.43	-84.32	14.75					
1.52E+04	-82.94	-83.86	-84.24	-83.77	-85.71	-84.16	15.23					
1.57E+04	-82.76	-85.69	-84.63	-85.92	-85.45	-84.91	15.70					
1.62E+04	-83.61	-86.89	-84.67	-85.64	-84.55	-85.88	16.18					
1.67E+04	-82.97	-85.90	-85.13	-86.16	-84.69	-84.49	16.65					
1.71E+04	-82.54	-86.57	-85.37	-86.20	-85.64	-86.51	17.13					
1.76E+04	-81.48	-86.21	-85.35	-84.67	-85.83	-85.44	17.60					
1.81E+04	-78.59	-84.17	-83.51	-80.17	-83.24	-82.35	18.08					
1.86E+04	-74.77	-79.81	-80.01	-74.46	-80.17	-79.60	18.55					
1.90E+04	-71.24	-75.67	-76.39	-70.46	-76.11	-75.86	19.03					
1.95E+04	-66.77	-71.70	-73.97	-67.47	-71.32	-72.01	19.50		-7.20			
2.00E+04	-60.79	-65.90	-69.26	-69.44	-65.77	-66.44	19.98		-8.48	-8.66		
2.05E+04	-55.15	-60.36	-64.11	-67.49	-60.69	-61.14	20.45		-8.95	-12.33		

10-200 KHz Wind Turbine Construction Phase from 6-Jan-2011 to 28-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.			Comparison				
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	2-Jan-11	28-Jan-11	Freq KHz	14-Jan Minus the Ambient scan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	6.00	6.00	6.00	6.00	6.00
2.09E+04	-51.56	-56.91	-60.60	-64.16	-57.12	-57.58	20.93		-9.04	-12.61		-6.02
2.14E+04	-51.76	-57.03	-60.95	-64.62	-57.54	-57.75	21.40		-9.20	-12.87		
2.19E+04	-57.89	-62.84	-66.72	-69.91	-63.42	-63.56	21.88		-8.82	-12.01		
2.24E+04	-65.46	-70.78	-68.25	-69.92	-69.42	-68.75	22.35					
2.28E+04	-61.45	-67.83	-63.07	-64.29	-64.64	-64.70	22.83	-6.38				
2.33E+04	-56.60	-62.20	-58.04	-59.79	-59.79	-59.77	23.30					
2.38E+04	-55.36	-56.80	-53.93	-58.18	-57.41	-56.43	23.78					
2.43E+04	-50.68	-52.68	-51.91	-56.40	-54.96	-54.44	24.25					
2.47E+04	-47.01	-50.42	-51.07	-55.65	-51.68	-51.10	24.73			-8.64		
2.52E+04	-47.35	-50.39	-50.98	-61.13	-51.93	-52.38	25.20			-13.78		
2.57E+04	-53.37	-56.60	-56.69	-69.86	-57.81	-58.54	25.68			-16.49		
2.62E+04	-62.28	-65.59	-65.64	-76.60	-66.65	-66.76	26.15			-14.32		
2.66E+04	-69.81	-72.92	-72.93	-82.68	-73.75	-74.15	26.63			-12.87		
2.71E+04	-75.85	-78.89	-78.30	-86.98	-80.03	-79.39	27.10			-11.13		
2.76E+04	-80.77	-83.64	-83.44	-90.67	-84.79	-83.77	27.58			-9.90		
2.81E+04	-84.73	-87.72	-86.91	-92.57	-88.84	-87.24	28.05			-7.84		
2.85E+04	-87.87	-90.66	-89.36	-93.06	-90.34	-90.09	28.53					
2.90E+04	-88.59	-91.78	-90.84	-94.26	-91.45	-90.74	29.00					
2.95E+04	-88.74	-92.56	-90.83	-93.63	-91.33	-90.24	29.48					
3.00E+04	-87.21	-89.30	-89.07	-90.56	-90.66	-89.27	29.95					
3.04E+04	-87.07	-89.07	-87.94	-89.29	-88.11	-88.58	30.43					
3.09E+04	-88.99	-90.07	-88.71	-89.10	-89.07	-87.74	30.90					
3.14E+04	-91.81	-92.00	-91.28	-90.58	-91.71	-89.97	31.38					
3.19E+04	-93.92	-94.73	-94.62	-93.81	-93.31	-92.92	31.85					
3.23E+04	-94.93	-95.56	-95.43	-95.16	-95.39	-94.54	32.33					
3.28E+04	-95.38	-95.47	-94.67	-95.92	-95.59	-94.39	32.80					

10-200 KHz Wind Turbine Construction Phase from 6-Jan-2011 to 28-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.			Comparison				
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	2-Jan-11	28-Jan-11	Freq KHz	14-Jan Minus the Ambient scan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	dBm	dBm	dBm	dBm	dBm
3.33E+04	-95.75	-96.18	-95.07	-95.16	-96.13	-94.16	33.28	6.00	6.00	6.00	6.00	6.00
3.38E+04	-95.78	-97.02	-95.20	-95.01	-94.81	-94.94	33.75					
3.42E+04	-94.78	-94.95	-94.42	-95.76	-95.63	-95.14	34.23					
3.47E+04	-96.16	-95.04	-95.12	-95.77	-95.11	-93.98	34.70					
3.52E+04	-94.69	-96.08	-94.84	-95.60	-95.22	-94.78	35.18					
3.57E+04	-96.52	-96.55	-95.25	-95.60	-96.25	-95.02	35.65					
3.61E+04	-96.68	-96.50	-94.34	-96.03	-96.08	-94.17	36.13					
3.66E+04	-96.36	-95.98	-94.13	-94.36	-96.53	-92.05	36.60					
3.71E+04	-96.97	-95.55	-92.77	-95.34	-95.71	-91.11	37.08					
3.76E+04	-95.93	-95.68	-93.64	-94.82	-94.58	-90.99	37.55					
3.80E+04	-94.33	-93.70	-93.14	-94.06	-94.76	-92.71	38.03					
3.85E+04	-91.93	-92.49	-91.28	-92.32	-92.92	-91.55	38.50					
3.90E+04	-87.25	-87.51	-86.95	-89.49	-87.66	-87.18	38.98					
3.95E+04	-82.08	-81.60	-81.99	-83.42	-82.50	-82.03	39.45					
3.99E+04	-77.39	-76.89	-77.68	-79.53	-78.27	-77.61	39.93					
4.04E+04	-74.84	-73.81	-75.07	-76.96	-75.11	-75.64	40.40					
4.09E+04	-76.13	-75.45	-76.60	-77.97	-77.09	-76.71	40.88					
4.14E+04	-82.13	-81.87	-81.90	-83.07	-83.48	-82.44	41.35					
4.18E+04	-86.37	-86.97	-86.57	-86.86	-90.19	-86.00	41.83					
4.23E+04	-87.43	-88.88	-87.26	-86.96	-92.35	-87.00	42.30					
4.28E+04	-87.25	-89.07	-86.48	-88.54	-91.93	-87.95	42.78					
4.33E+04	-87.08	-89.61	-86.92	-86.40	-92.06	-85.63	43.25					
4.37E+04	-86.53	-89.34	-84.99	-86.09	-92.70	-86.73	43.73				-6.17	
4.42E+04	-87.73	-87.37	-86.14	-86.06	-92.11	-86.17	44.20					
4.47E+04	-85.65	-87.80	-86.65	-86.70	-89.79	-86.25	44.68					
4.52E+04	-84.71	-86.48	-84.80	-84.43	-89.84	-84.95	45.15					

10-200 KHz Wind Turbine Construction Phase from 6-Jan-2011 to 28-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.			Comparison				
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	2-Jan-11	28-Jan-11	Freq KHz	14-Jan Minus the Ambient scan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	dBm	dBm	dBm	dBm	dBm
								6.00	6.00	6.00	6.00	6.00
4.56E+04	-84.70	-84.05	-83.39	-83.70	-87.39	-84.23	45.63					
4.61E+04	-83.70	-82.70	-81.10	-83.67	-84.81	-84.27	46.10					
4.66E+04	-82.25	-79.90	-78.11	-82.15	-82.75	-82.86	46.58					
4.71E+04	-78.70	-78.10	-75.93	-78.87	-79.74	-80.67	47.05					
4.75E+04	-75.80	-75.14	-72.80	-76.25	-76.43	-76.28	47.53					
4.80E+04	-70.28	-70.13	-68.27	-70.45	-70.81	-72.80	48.00					
4.85E+04	-64.97	-64.53	-63.43	-64.99	-65.38	-66.88	48.48					
4.90E+04	-58.96	-58.02	-57.73	-59.13	-59.80	-60.70	48.95					
4.94E+04	-54.74	-53.99	-53.57	-55.29	-55.45	-57.17	49.43					
4.99E+04	-53.97	-53.21	-52.79	-54.52	-54.86	-56.91	49.90					
5.04E+04	-58.29	-58.06	-57.28	-59.11	-59.31	-61.00	50.38					
5.09E+04	-67.41	-66.91	-65.49	-67.42	-67.63	-69.16	50.85					
5.13E+04	-74.35	-73.67	-72.29	-74.03	-74.82	-76.07	51.33					
5.18E+04	-78.28	-78.45	-75.29	-78.90	-79.28	-79.72	51.80					
5.23E+04	-81.88	-80.73	-78.02	-81.81	-82.66	-81.71	52.28					
5.28E+04	-83.54	-81.80	-79.20	-84.33	-84.30	-82.19	52.75					
5.32E+04	-84.51	-83.12	-80.96	-82.46	-86.31	-83.75	53.23					
5.37E+04	-85.33	-85.74	-82.90	-82.46	-89.13	-85.25	53.70					
5.42E+04	-84.95	-87.58	-85.31	-84.08	-90.32	-85.60	54.18					
5.47E+04	-85.60	-87.74	-87.23	-85.63	-90.25	-86.93	54.65					
5.51E+04	-85.42	-89.64	-86.94	-86.03	-90.33	-86.23	55.13					
5.56E+04	-85.55	-88.62	-86.89	-84.84	-91.36	-85.98	55.60					
5.61E+04	-85.27	-87.61	-85.45	-84.95	-89.54	-85.89	56.08					
5.66E+04	-84.11	-86.30	-85.20	-82.86	-89.25	-84.04	56.55					
5.70E+04	-80.55	-82.69	-84.15	-80.46	-85.80	-81.81	57.03					
5.75E+04	-76.07	-78.81	-81.72	-75.88	-81.71	-78.10	57.50					

10-200 KHz Wind Turbine Construction Phase from 6-Jan-2011 to 28-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.			Comparison				
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	2-Jan-11	28-Jan-11	Freq KHz	14-Jan Minus the Ambient scan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	dBm	dBm	dBm	dBm	dBm
5.80E+04	-71.02	-73.69	-78.10	-70.47	-76.72	-73.12	57.98	6.00	6.00	6.00	6.00	6.00
5.85E+04	-64.61	-67.74	-72.61	-65.39	-70.03	-67.27	58.45		-7.08			
5.89E+04	-60.00	-62.07	-66.84	-61.50	-63.90	-61.95	58.93		-7.99			
5.94E+04	-58.84	-57.83	-61.64	-57.31	-59.64	-57.76	59.40		-6.84			
5.99E+04	-59.58	-56.62	-58.98	-58.22	-56.24	-56.78	59.88					
6.04E+04	-65.08	-59.30	-61.09	-63.94	-56.49	-60.99	60.35				8.59	
6.08E+04	-73.76	-66.92	-68.34	-72.00	-63.10	-69.49	60.83	6.83			10.65	
6.13E+04	-81.08	-75.75	-76.60	-79.67	-72.22	-77.15	61.30				8.86	
6.18E+04	-87.00	-81.93	-83.61	-84.49	-79.09	-82.68	61.78				7.91	
6.23E+04	-91.20	-87.37	-88.53	-89.26	-84.60	-87.21	62.25				6.60	
6.27E+04	-94.73	-91.46	-92.13	-91.74	-89.33	-90.76	62.73					
6.32E+04	-95.78	-93.68	-93.39	-94.86	-91.88	-91.89	63.20					
6.37E+04	-95.64	-95.24	-94.02	-94.40	-93.60	-92.16	63.68					
6.42E+04	-96.61	-95.60	-94.77	-95.23	-93.26	-93.03	64.15					
6.46E+04	-95.90	-94.86	-94.76	-96.26	-93.76	-93.25	64.63					
6.51E+04	-96.96	-95.46	-94.94	-96.14	-93.30	-93.75	65.10					
6.56E+04	-96.29	-93.67	-93.92	-95.84	-93.56	-93.08	65.58					
6.61E+04	-96.27	-93.52	-94.65	-94.17	-93.60	-94.18	66.05					
6.65E+04	-95.61	-93.69	-93.52	-95.74	-93.62	-93.33	66.53					
6.70E+04	-95.19	-94.09	-94.09	-92.38	-93.54	-92.25	67.00					
6.75E+04	-95.30	-93.90	-93.54	-94.40	-92.43	-91.81	67.48					
6.80E+04	-95.39	-93.60	-93.91	-92.92	-93.03	-91.44	67.95					
6.84E+04	-94.67	-92.50	-93.33	-92.51	-92.35	-92.05	68.43					
6.89E+04	-93.33	-92.17	-92.07	-93.03	-92.69	-91.65	68.90					
6.94E+04	-92.46	-91.67	-91.60	-91.67	-92.04	-91.99	69.38					
6.99E+04	-90.71	-89.59	-90.46	-92.65	-90.87	-90.17	69.85					

10-200 KHz Wind Turbine Construction Phase from 6-Jan-2011 to 28-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.			Comparison				
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	2-Jan-11	28-Jan-11	Freq KHz	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	Minus the Ambient scan				
								dBm	dBm	dBm	dBm	dBm
7.03E+04	-90.32	-89.50	-90.16	-90.15	-90.79	-89.39	70.33	6.00	6.00	6.00	6.00	6.00
7.08E+04	-91.23	-89.07	-89.60	-90.45	-90.20	-88.41	70.80					
7.13E+04	-90.21	-89.22	-89.86	-89.38	-90.35	-88.64	71.28					
7.18E+04	-90.95	-89.54	-89.59	-88.02	-89.98	-88.49	71.75					
7.22E+04	-90.04	-88.13	-89.17	-90.15	-90.58	-87.48	72.23					
7.27E+04	-90.38	-89.19	-91.52	-89.96	-90.52	-89.66	72.70					
7.32E+04	-91.57	-87.40	-91.28	-91.79	-91.99	-90.30	73.18					
7.37E+04	-91.35	-88.51	-92.59	-89.73	-92.71	-91.85	73.65					
7.41E+04	-91.94	-91.24	-92.80	-91.93	-93.52	-92.53	74.13					
7.46E+04	-91.97	-92.00	-92.84	-93.16	-95.20	-91.91	74.60					
7.51E+04	-92.36	-93.40	-93.60	-93.45	-94.01	-94.15	75.08					
7.56E+04	-92.67	-94.52	-94.89	-95.14	-96.10	-95.19	75.55					
7.60E+04	-94.22	-96.70	-95.54	-93.39	-96.51	-96.02	76.03					
7.65E+04	-94.73	-95.60	-94.71	-94.96	-96.14	-96.94	76.50					
7.70E+04	-96.01	-95.32	-96.28	-92.15	-97.06	-97.03	76.98					
7.75E+04	-96.35	-96.08	-96.08	-95.43	-97.03	-94.82	77.45					
7.79E+04	-96.51	-97.45	-97.61	-94.45	-98.42	-97.74	77.93					
7.84E+04	-96.79	-96.84	-97.03	-93.55	-97.67	-97.32	78.40					
7.89E+04	-94.52	-95.16	-94.94	-89.67	-94.29	-95.63	78.88					
7.94E+04	-91.02	-92.55	-92.56	-85.67	-91.88	-92.07	79.35					
7.98E+04	-89.96	-90.40	-91.13	-84.45	-91.09	-91.36	79.83					
8.03E+04	-92.14	-92.33	-92.66	-87.51	-91.79	-93.05	80.30					
8.08E+04	-97.41	-96.82	-97.87	-93.57	-98.01	-97.41	80.78					
8.13E+04	-99.74	-99.19	-99.39	-96.32	-99.82	-100.96	81.25					
8.17E+04	-100.28	-100.17	-99.74	-99.09	-100.99	-101.15	81.73					
8.22E+04	-99.51	-99.02	-100.89	-96.64	-102.41	-99.81	82.20					

10-200 KHz Wind Turbine Construction Phase from 6-Jan-2011 to 28-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.			Comparison				
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	2-Jan-11	28-Jan-11	Freq KHz	14-Jan Minus the Ambient scan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	6.00	6.00	6.00	6.00	6.00
8.27E+04	-99.39	-98.61	-100.64	-99.81	-101.65	-100.05	82.68					
8.32E+04	-101.65	-98.03	-101.53	-99.61	-102.21	-100.68	83.15					
8.36E+04	-100.50	-98.58	-100.93	-99.74	-102.11	-101.07	83.63					
8.41E+04	-100.91	-99.83	-100.76	-99.63	-100.41	-101.40	84.10					
8.46E+04	-100.14	-100.86	-101.39	-100.34	-101.55	-100.80	84.58					
8.51E+04	-99.42	-99.42	-101.55	-101.10	-101.26	-101.68	85.05					
8.55E+04	-99.48	-100.82	-100.90	-100.27	-101.08	-100.13	85.53					
8.60E+04	-101.13	-100.96	-102.29	-99.91	-103.30	-101.32	86.00					
8.65E+04	-101.45	-101.74	-101.06	-101.23	-101.54	-101.42	86.48					
8.70E+04	-101.27	-100.87	-101.37	-100.43	-102.19	-101.41	86.95					
8.74E+04	-101.12	-100.39	-101.71	-99.86	-102.94	-99.87	87.43					
8.79E+04	-101.85	-101.42	-101.51	-100.07	-102.13	-101.25	87.90					
8.84E+04	-101.54	-101.01	-100.85	-101.30	-100.69	-100.92	88.38					
8.89E+04	-98.60	-97.87	-100.96	-96.90	-99.79	-100.00	88.85					
8.93E+04	-97.18	-95.42	-98.95	-95.47	-95.71	-98.17	89.33					
8.98E+04	-95.43	-93.20	-98.28	-95.13	-95.04	-96.20	89.80					
9.03E+04	-98.89	-95.50	-100.11	-97.88	-96.50	-98.27	90.28					
9.08E+04	-101.46	-98.94	-101.42	-100.03	-101.13	-99.48	90.75					
9.12E+04	-101.88	-100.72	-102.34	-99.65	-102.37	-101.67	91.23					
9.17E+04	-103.12	-101.08	-101.07	-101.41	-101.95	-102.27	91.70					
9.22E+04	-101.75	-101.12	-100.55	-98.75	-103.46	-102.39	92.18					
9.27E+04	-102.33	-101.50	-101.78	-101.06	-102.76	-100.29	92.65					
9.31E+04	-102.81	-102.00	-102.84	-100.67	-103.38	-101.78	93.13					
9.36E+04	-102.07	-101.71	-102.01	-102.33	-103.17	-101.95	93.60					
9.41E+04	-100.80	-102.13	-101.83	-101.20	-102.22	-101.99	94.08					
9.46E+04	-98.81	-101.45	-100.32	-100.09	-100.82	-100.57	94.55					

10-200 KHz Wind Turbine Construction Phase from 6-Jan-2011 to 28-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.			Comparison				
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	2-Jan-11	28-Jan-11	Freq KHz	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	Minus the Ambient scan				
								dBm	dBm	dBm	dBm	dBm
								6.00	6.00	6.00	6.00	6.00
9.50E+04	-98.05	-99.19	-99.00	-100.16	-100.63	-100.94	95.03					
9.55E+04	-100.44	-100.51	-101.16	-100.86	-100.71	-101.42	95.50					
9.60E+04	-102.56	-102.46	-102.38	-102.13	-104.41	-102.61	95.98					
9.65E+04	-103.33	-102.44	-102.67	-102.55	-103.38	-102.86	96.45					
9.69E+04	-104.45	-102.87	-101.86	-103.09	-103.33	-103.37	96.93					
9.74E+04	-103.71	-101.31	-102.41	-100.08	-104.74	-102.37	97.40					
9.79E+04	-102.94	-102.14	-103.90	-101.75	-103.77	-102.55	97.88					
9.84E+04	-103.40	-100.89	-103.16	-102.09	-103.85	-103.14	98.35					
9.88E+04	-101.99	-99.78	-101.71	-101.09	-102.54	-102.93	98.83					
9.93E+04	-100.64	-100.91	-100.17	-99.60	-100.90	-101.35	99.30					
9.98E+04	-98.57	-100.26	-99.72	-99.93	-100.10	-100.71	99.78					
1.00E+05	-100.71	-99.86	-100.57	-100.97	-102.01	-102.37	100.25					
1.01E+05	-102.13	-100.33	-101.85	-102.53	-102.80	-101.92	100.73					
1.01E+05	-103.21	-100.76	-103.09	-101.29	-104.35	-102.23	101.20					
1.02E+05	-103.01	-101.56	-101.77	-102.23	-103.18	-102.78	101.68					
1.02E+05	-103.56	-101.02	-101.51	-101.38	-102.35	-103.20	102.15					
1.03E+05	-102.06	-99.03	-101.37	-101.31	-101.18	-99.83	102.63					
1.03E+05	-100.89	-98.89	-101.15	-100.78	-100.72	-100.55	103.10					
1.04E+05	-101.38	-97.28	-99.95	-101.11	-99.32	-100.28	103.58					
1.04E+05	-100.70	-96.93	-99.44	-98.04	-99.85	-101.30	104.05					
1.05E+05	-101.62	-98.14	-99.00	-100.45	-101.88	-101.95	104.53					
1.05E+05	-101.72	-99.48	-99.58	-100.90	-102.05	-102.10	105.00					
1.05E+05	-102.23	-98.66	-101.00	-99.45	-102.63	-102.32	105.48					
1.06E+05	-102.70	-100.08	-101.46	-100.17	-102.25	-101.13	105.95					
1.06E+05	-101.27	-100.27	-101.32	-99.16	-102.51	-101.64	106.43					
1.07E+05	-101.97	-101.54	-100.85	-101.09	-101.66	-102.06	106.90					

10-200 KHz Wind Turbine Construction Phase from 6-Jan-2011 to 28-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.			Comparison				
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	2-Jan-11	28-Jan-11	Freq KHz	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	Minus the Ambient scan				
								dBm	dBm	dBm	dBm	dBm
1.07E+05	-102.97	-100.41	-101.29	-100.35	-104.54	-103.43	107.38	6.00	6.00	6.00	6.00	6.00
1.08E+05	-103.36	-101.15	-102.03	-102.20	-104.36	-101.77	107.85					
1.08E+05	-103.52	-101.08	-103.05	-100.97	-104.81	-102.75	108.33					
1.09E+05	-102.26	-99.70	-101.57	-100.31	-102.35	-102.13	108.80					
1.09E+05	-100.48	-96.66	-99.69	-96.21	-98.87	-100.26	109.28					
1.10E+05	-99.67	-96.02	-99.15	-94.49	-97.37	-98.69	109.75					
1.10E+05	-101.05	-96.88	-99.46	-97.28	-100.42	-100.80	110.23					
1.11E+05	-102.81	-99.60	-101.45	-100.80	-101.46	-102.61	110.70					
1.11E+05	-102.89	-99.56	-100.14	-98.87	-104.44	-102.04	111.18					
1.12E+05	-103.31	-98.03	-99.03	-98.27	-103.38	-103.68	111.65					
1.12E+05	-102.29	-98.99	-97.80	-98.54	-102.62	-102.62	112.13					
1.13E+05	-101.90	-99.49	-98.59	-97.76	-103.61	-102.23	112.60					
1.13E+05	-102.29	-101.62	-102.18	-100.89	-104.27	-101.97	113.08					
1.14E+05	-104.63	-102.30	-103.65	-102.72	-105.06	-104.63	113.55					
1.14E+05	-104.64	-102.29	-103.58	-103.51	-105.49	-105.06	114.03					
1.15E+05	-104.46	-103.39	-104.34	-103.13	-104.35	-104.40	114.50					
1.15E+05	-103.31	-102.96	-104.47	-104.39	-104.51	-103.37	114.98					
1.15E+05	-103.27	-103.42	-103.28	-104.31	-104.72	-104.73	115.45					
1.16E+05	-103.79	-102.73	-103.79	-104.01	-103.97	-103.35	115.93					
1.16E+05	-103.89	-102.67	-104.12	-102.81	-105.85	-103.94	116.40					
1.17E+05	-104.54	-103.83	-103.36	-101.79	-104.49	-103.96	116.88					
1.17E+05	-101.54	-101.83	-102.75	-98.95	-104.41	-103.28	117.35					
1.18E+05	-96.66	-101.15	-103.47	-94.09	-104.86	-99.95	117.83		-6.81		-8.20	
1.18E+05	-91.16	-98.78	-102.17	-90.36	-101.26	-96.47	118.30	-7.61	-11.01		-10.10	
1.19E+05	-89.00	-93.46	-98.18	-88.60	-97.97	-91.68	118.78		-9.19		-8.97	
1.19E+05	-90.12	-88.27	-93.77	-88.97	-92.02	-87.28	119.25					

10-200 KHz Wind Turbine Construction Phase from 6-Jan-2011 to 28-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.			Comparison				
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	2-Jan-11	28-Jan-11	Freq KHz	14-Jan Minus the Ambient scan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	dBm	dBm	dBm	dBm	dBm
1.20E+05	-95.50	-84.45	-89.92	-95.61	-87.98	-85.19	119.73	11.05			7.52	10.31
1.20E+05	-100.75	-83.30	-87.75	-100.82	-84.92	-87.01	120.20	17.44	12.99		15.82	13.73
1.21E+05	-103.58	-87.27	-91.22	-103.27	-85.82	-93.87	120.68	16.31	12.37		17.77	9.72
1.21E+05	-103.70	-94.05	-96.94	-103.48	-92.61	-100.26	121.15	9.65	6.76		11.09	
1.22E+05	-105.54	-99.16	-102.91	-102.31	-99.54	-102.45	121.63	6.38				
1.22E+05	-106.77	-101.85	-102.81	-104.42	-102.71	-105.18	122.10					
1.23E+05	-104.49	-100.79	-102.83	-102.10	-104.31	-105.25	122.58					
1.23E+05	-104.14	-100.25	-103.82	-103.74	-105.04	-102.72	123.05					
1.24E+05	-104.84	-101.72	-104.70	-104.26	-105.64	-103.99	123.53					
1.24E+05	-105.41	-101.65	-104.61	-104.24	-106.00	-104.88	124.00					
1.24E+05	-103.99	-102.94	-104.51	-102.39	-105.56	-104.10	124.48					
1.25E+05	-103.77	-103.43	-104.07	-103.48	-105.19	-104.51	124.95					
1.25E+05	-103.08	-101.44	-103.29	-103.69	-104.76	-104.44	125.43					
1.26E+05	-104.12	-101.67	-104.11	-104.02	-102.98	-103.94	125.90					
1.26E+05	-103.86	-101.76	-103.50	-101.50	-104.62	-103.44	126.38					
1.27E+05	-104.80	-102.46	-103.06	-101.70	-103.90	-102.70	126.85					
1.27E+05	-103.64	-101.55	-101.90	-101.70	-103.57	-103.15	127.33					
1.28E+05	-102.82	-100.32	-102.38	-98.27	-102.77	-101.03	127.80					
1.28E+05	-100.37	-99.93	-100.21	-94.96	-98.85	-99.26	128.28					
1.29E+05	-97.32	-96.89	-96.78	-90.72	-94.39	-95.36	128.75			6.60		
1.29E+05	-92.36	-93.29	-92.58	-84.94	-90.25	-90.70	129.23			7.42		
1.30E+05	-89.80	-91.35	-90.08	-83.68	-87.89	-88.97	129.70			6.11		
1.30E+05	-90.93	-92.89	-92.71	-86.07	-89.66	-90.72	130.18					
1.31E+05	-97.47	-96.49	-98.25	-93.02	-96.92	-97.38	130.65					
1.31E+05	-101.69	-98.22	-102.27	-99.81	-101.08	-101.24	131.13					
1.32E+05	-101.68	-96.84	-103.04	-101.20	-104.22	-102.16	131.60					

10-200 KHz Wind Turbine Construction Phase from 6-Jan-2011 to 28-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.			Comparison				
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	2-Jan-11	28-Jan-11	Freq KHz	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	Minus the Ambient scan				
								dBm	dBm	dBm	dBm	dBm
								6.00	6.00	6.00	6.00	6.00
1.32E+05	-101.87	-95.84	-101.42	-101.30	-102.28	-102.86	132.08	6.03				
1.33E+05	-100.25	-94.51	-100.14	-99.09	-100.45	-100.52	132.55					
1.33E+05	-98.26	-94.70	-99.50	-98.71	-98.30	-98.28	133.03					
1.34E+05	-99.70	-95.58	-101.93	-99.81	-100.39	-100.42	133.50					
1.34E+05	-104.01	-98.51	-102.99	-102.90	-104.11	-103.92	133.98					
1.34E+05	-104.30	-99.72	-104.23	-102.41	-104.85	-104.56	134.45					
1.35E+05	-103.28	-101.09	-104.87	-102.19	-105.63	-105.27	134.93					
1.35E+05	-103.69	-100.46	-103.12	-104.30	-105.50	-104.43	135.40					
1.36E+05	-104.14	-101.25	-104.39	-104.98	-105.87	-104.95	135.88					
1.36E+05	-103.83	-101.57	-104.07	-104.22	-105.99	-103.51	136.35					
1.37E+05	-104.22	-101.57	-104.44	-103.08	-106.13	-104.64	136.83					
1.37E+05	-104.79	-101.70	-103.78	-105.23	-105.90	-106.56	137.30					
1.38E+05	-105.47	-100.34	-103.75	-102.75	-106.78	-104.81	137.78					
1.38E+05	-104.59	-99.94	-104.23	-103.06	-105.31	-102.59	138.25					
1.39E+05	-103.67	-98.86	-104.15	-102.90	-103.77	-103.70	138.73					
1.39E+05	-100.92	-97.90	-102.07	-101.86	-100.53	-101.42	139.20					
1.40E+05	-99.37	-97.05	-100.20	-99.55	-98.50	-100.11	139.68					
1.40E+05	-99.81	-96.41	-101.22	-99.94	-99.38	-100.26	140.15					
1.41E+05	-103.43	-97.59	-102.66	-103.08	-103.14	-102.86	140.63					
1.41E+05	-104.01	-98.36	-103.64	-104.75	-102.65	-103.68	141.10					
1.42E+05	-103.31	-100.06	-104.33	-102.94	-105.81	-103.07	141.58					
1.42E+05	-104.79	-101.10	-104.07	-103.16	-105.50	-104.91	142.05					
1.43E+05	-104.96	-102.64	-103.43	-103.63	-104.77	-104.04	142.53					
1.43E+05	-103.65	-101.20	-103.89	-102.17	-105.40	-102.82	143.00					
1.43E+05	-103.28	-102.77	-103.79	-102.36	-103.47	-102.36	143.48					
1.44E+05	-101.08	-100.32	-101.02	-101.21	-102.04	-101.69	143.95					

10-200 KHz Wind Turbine Construction Phase from 6-Jan-2011 to 28-Jan-2011							Comparison				
Ambient Scan	1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan	Minus the Ambient scan	
6-Jan-11	14-Jan-11	17-Jan-11	18-Jan-11	2-Jan-11	28-Jan-11	Freq KHz	dBm	dBm	dBm	dBm	dBm
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	6.00	6.00	6.00	6.00
1.44E+05	-96.82	-97.02	-98.00	-96.73	-99.16	-98.56	144.43				
1.45E+05	-93.39	-95.86	-95.50	-94.19	-96.56	-96.10	144.90				
1.45E+05	-94.88	-96.68	-96.65	-96.03	-97.84	-97.51	145.38				
1.46E+05	-100.12	-100.86	-101.84	-101.37	-102.78	-103.19	145.85				
1.46E+05	-102.53	-102.34	-103.33	-104.65	-105.01	-103.74	146.33				
1.47E+05	-103.42	-103.74	-104.68	-104.40	-107.74	-104.19	146.80				
1.47E+05	-105.93	-104.19	-104.14	-104.46	-105.40	-105.45	147.28				
1.48E+05	-106.03	-104.64	-102.40	-102.42	-107.41	-104.60	147.75				
1.48E+05	-103.88	-101.85	-104.01	-103.27	-105.37	-102.72	148.23				
1.49E+05	-102.48	-103.39	-104.07	-103.81	-105.02	-103.68	148.70				
1.49E+05	-103.58	-102.63	-103.50	-103.64	-104.82	-104.12	149.18				
1.50E+05	-103.47	-102.08	-103.07	-102.28	-103.19	-104.34	149.65				
1.50E+05	-102.54	-102.52	-104.59	-102.43	-104.32	-103.96	150.13				
1.51E+05	-102.70	-102.12	-103.24	-104.28	-105.46	-103.88	150.60				
1.51E+05	-103.52	-101.93	-104.14	-105.25	-105.46	-103.29	151.08				
1.52E+05	-103.21	-103.28	-104.16	-104.25	-105.39	-103.97	151.55				
1.52E+05	-104.61	-103.81	-104.60	-103.16	-105.81	-104.41	152.03				
1.53E+05	-106.02	-103.33	-103.57	-104.89	-104.92	-105.54	152.50				
1.53E+05	-105.24	-102.50	-103.78	-103.27	-105.13	-104.98	152.98				
1.53E+05	-103.65	-102.27	-104.00	-103.71	-106.05	-102.57	153.45				
1.54E+05	-103.07	-101.81	-103.76	-103.46	-104.41	-103.90	153.93				
1.54E+05	-103.86	-100.26	-103.02	-104.50	-104.11	-103.26	154.40				
1.55E+05	-103.84	-99.20	-103.21	-102.17	-102.22	-101.85	154.88				
1.55E+05	-102.28	-99.39	-102.59	-101.32	-101.78	-102.59	155.35				
1.56E+05	-101.76	-98.71	-101.06	-102.36	-102.29	-101.88	155.83				
1.56E+05	-102.93	-99.96	-101.61	-103.94	-103.27	-102.20	156.30				

10-200 KHz Wind Turbine Construction Phase from 6-Jan-2011 to 28-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.			Comparison				
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	2-Jan-11	28-Jan-11	Freq KHz	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	Minus the Ambient scan				
								dBm	dBm	dBm	dBm	dBm
1.57E+05	-103.89	-100.85	-102.52	-103.56	-105.16	-102.25	156.78	6.00	6.00	6.00	6.00	6.00
1.57E+05	-104.46	-102.04	-103.02	-103.38	-105.73	-104.18	157.25					
1.58E+05	-104.99	-101.65	-101.63	-103.44	-105.36	-104.24	157.73					
1.58E+05	-103.30	-100.11	-102.97	-99.16	-106.02	-101.57	158.20					
1.59E+05	-102.11	-100.44	-102.81	-99.48	-102.19	-101.00	158.68					
1.59E+05	-101.56	-98.90	-101.42	-97.77	-99.54	-100.38	159.15					
1.60E+05	-99.23	-97.74	-100.08	-95.22	-97.36	-98.54	159.63					
1.60E+05	-98.30	-97.88	-99.71	-96.14	-98.32	-98.34	160.10					
1.61E+05	-99.25	-99.66	-102.70	-100.91	-102.22	-101.59	160.58					
1.61E+05	-102.37	-101.14	-103.70	-104.05	-105.01	-102.85	161.05					
1.62E+05	-102.32	-101.06	-103.87	-103.58	-104.73	-103.84	161.53					
1.62E+05	-102.99	-102.06	-104.19	-103.26	-107.06	-103.23	162.00					
1.62E+05	-103.50	-102.40	-102.37	-103.67	-104.64	-104.39	162.48					
1.63E+05	-102.30	-101.33	-101.54	-100.81	-105.92	-102.57	162.95					
1.63E+05	-102.21	-100.97	-102.79	-101.48	-106.07	-101.52	163.43					
1.64E+05	-102.44	-101.03	-102.88	-101.85	-105.14	-102.38	163.90					
1.64E+05	-102.41	-100.20	-102.54	-102.67	-106.09	-102.74	164.38					
1.65E+05	-101.66	-98.80	-102.80	-101.51	-106.03	-102.71	164.85					
1.65E+05	-101.83	-99.45	-102.35	-102.44	-104.91	-104.32	165.33					
1.66E+05	-102.59	-98.11	-102.43	-104.65	-105.03	-102.84	165.80					
1.66E+05	-102.58	-99.55	-102.77	-104.58	-103.75	-102.51	166.28					
1.67E+05	-100.99	-97.47	-101.53	-102.45	-104.40	-101.41	166.75					
1.67E+05	-100.64	-98.58	-101.03	-100.61	-104.10	-101.45	167.23					
1.68E+05	-100.93	-100.53	-99.12	-100.66	-102.38	-101.36	167.70					
1.68E+05	-98.25	-97.67	-98.08	-97.70	-100.42	-99.17	168.18					
1.69E+05	-95.21	-94.96	-93.79	-96.18	-94.42	-94.01	168.65					

10-200 KHz Wind Turbine Construction Phase from 6-Jan-2011 to 28-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.			Comparison				
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	2-Jan-11	28-Jan-11	Freq KHz	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	Minus the Ambient scan				
								dBm	dBm	dBm	dBm	dBm
1.69E+05	-91.52	-91.33	-89.89	-91.28	-89.96	-90.88	169.13	6.00	6.00	6.00	6.00	6.00
1.70E+05	-88.08	-88.80	-86.84	-90.07	-87.48	-87.99	169.60					
1.70E+05	-88.35	-89.30	-88.11	-90.39	-88.31	-88.37	170.08					
1.71E+05	-94.26	-95.86	-94.24	-95.49	-94.42	-95.23	170.55					
1.71E+05	-98.82	-99.67	-99.55	-100.96	-100.64	-100.64	171.03					
1.72E+05	-100.96	-98.92	-100.82	-102.46	-103.35	-101.07	171.50					
1.72E+05	-100.10	-100.05	-101.39	-100.88	-104.34	-101.46	171.98					
1.72E+05	-101.35	-101.77	-102.06	-101.95	-104.63	-103.08	172.45					
1.73E+05	-102.71	-101.11	-102.20	-103.21	-104.42	-103.42	172.93					
1.73E+05	-102.07	-100.51	-102.09	-100.94	-105.58	-101.71	173.40					
1.74E+05	-101.99	-101.49	-103.41	-102.63	-105.90	-101.02	173.88					
1.74E+05	-102.81	-100.82	-103.39	-103.40	-105.84	-102.83	174.35					
1.75E+05	-101.94	-100.58	-102.88	-101.52	-105.43	-102.76	174.83					
1.75E+05	-100.15	-100.57	-102.85	-99.71	-103.71	-102.28	175.30					
1.76E+05	-98.59	-100.22	-101.86	-96.87	-103.03	-101.36	175.78					
1.76E+05	-94.17	-100.51	-102.51	-93.45	-102.53	-101.01	176.25	-6.34	-8.34		-8.36	-6.84
1.77E+05	-89.54	-98.81	-102.37	-87.69	-101.28	-97.86	176.73	-9.26	-12.82		-11.74	-8.32
1.77E+05	-83.67	-98.94	-101.07	-82.02	-101.32	-94.39	177.20	-15.27	-17.41		-17.65	-10.72
1.78E+05	-78.10	-96.31	-97.11	-77.46	-97.63	-89.33	177.68	-18.21	-19.01		-19.53	-11.23
1.78E+05	-73.99	-91.87	-93.56	-74.06	-93.63	-84.24	178.15	-17.89	-19.58		-19.64	-10.25
1.79E+05	-72.94	-86.04	-88.81	-74.18	-88.51	-78.44	178.63	-13.10	-15.87		-15.56	
1.79E+05	-77.22	-80.61	-82.88	-79.61	-82.49	-73.52	179.10					
1.80E+05	-86.07	-75.66	-77.63	-87.81	-76.81	-70.20	179.58	10.41	8.43		9.26	15.87
1.80E+05	-93.42	-72.71	-73.54	-92.67	-71.71	-70.30	180.05	20.71	19.87		21.71	23.11
1.81E+05	-97.87	-73.19	-72.57	-96.98	-68.78	-75.48	180.53	24.68	25.30		29.09	22.39
1.81E+05	-99.65	-78.57	-76.62	-100.00	-69.92	-83.07	181.00	21.08	23.03		29.74	16.58

10-200 KHz Wind Turbine Construction Phase from 6-Jan-2011 to 28-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.			Comparison				
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	2-Jan-11	28-Jan-11	Freq KHz	14-Jan Minus the Ambient scan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	dBm	dBm	dBm	dBm	dBm
1.81E+05	-100.47	-85.34	-84.28	-101.30	-76.67	-90.43	181.48	15.13	6.00	6.00	6.00	6.00
1.82E+05	-101.67	-92.43	-91.14	-100.71	-84.70	-94.41	181.95	9.25	10.53		16.97	7.27
1.82E+05	-101.43	-95.53	-96.66	-96.32	-91.31	-95.90	182.43				10.12	
1.83E+05	-99.90	-93.87	-93.87	-92.88	-92.65	-91.13	182.90	6.03	6.03	7.02	7.25	8.77
1.83E+05	-94.80	-88.80	-89.12	-87.11	-87.95	-86.49	183.38	6.00		7.69	6.86	8.32
1.84E+05	-89.96	-84.37	-84.92	-83.58	-84.28	-82.45	183.85			6.38		7.51
1.84E+05	-86.78	-82.61	-83.12	-82.32	-84.29	-82.49	184.33					
1.85E+05	-87.13	-85.92	-85.79	-86.13	-89.94	-87.48	184.80					
1.85E+05	-92.74	-93.63	-93.30	-93.04	-97.01	-95.09	185.28					
1.86E+05	-97.48	-97.24	-98.67	-97.43	-99.00	-99.17	185.75					
1.86E+05	-96.65	-96.41	-100.04	-97.90	-98.98	-99.07	186.23					
1.87E+05	-98.57	-97.72	-101.32	-100.12	-99.12	-99.22	186.70					
1.87E+05	-101.00	-100.12	-102.88	-101.19	-102.98	-101.33	187.18					
1.88E+05	-102.40	-100.97	-102.84	-103.41	-105.11	-103.01	187.65					
1.88E+05	-104.33	-101.33	-103.27	-103.65	-105.95	-104.99	188.13					
1.89E+05	-103.72	-100.62	-102.96	-101.53	-106.41	-102.76	188.60					
1.89E+05	-102.11	-101.29	-103.06	-102.20	-105.36	-102.96	189.08					
1.90E+05	-101.34	-100.19	-103.06	-100.59	-104.42	-102.57	189.55					
1.90E+05	-100.94	-100.24	-103.10	-101.00	-104.40	-102.70	190.03					
1.91E+05	-101.89	-101.77	-103.45	-101.23	-104.41	-102.36	190.50					
1.91E+05	-101.84	-101.56	-103.75	-103.16	-104.23	-102.91	190.98					
1.91E+05	-102.22	-100.61	-103.03	-104.44	-106.26	-103.61	191.45					
1.92E+05	-100.83	-101.39	-103.11	-103.21	-105.59	-102.20	191.93					
1.92E+05	-102.58	-101.06	-103.09	-101.46	-106.64	-103.17	192.40					
1.93E+05	-103.70	-102.01	-102.15	-102.84	-106.30	-104.12	192.88					
1.93E+05	-103.15	-101.49	-101.98	-102.47	-105.45	-103.01	193.35					

10-200 KHz Wind Turbine Construction Phase from 6-Jan-2011 to 28-Jan-2011								Comparison				
Ambient Scan	1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan	Minus the Ambient scan		
6-Jan-11	14-Jan-11	17-Jan-11	18-Jan-11	2-Jan-11	28-Jan-11	Freq KHz	dBm	dBm	dBm	dBm	dBm	dBm
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	6.00	6.00	6.00	6.00	6.00
1.94E+05	-100.41	-100.99	-101.83	-100.71	-106.73	-100.52	193.83				-6.32	
1.94E+05	-99.91	-100.84	-102.22	-100.98	-104.79	-101.99	194.30					
1.95E+05	-100.95	-100.74	-102.06	-102.55	-106.06	-101.82	194.78					
1.95E+05	-102.37	-100.31	-103.32	-101.61	-106.77	-102.71	195.25					
1.96E+05	-101.71	-101.57	-102.87	-102.01	-105.50	-102.62	195.73					
1.96E+05	-100.72	-100.45	-103.04	-102.57	-106.21	-101.60	196.20					
1.97E+05	-101.66	-99.87	-103.79	-103.82	-106.20	-103.57	196.68					
1.97E+05	-102.92	-98.04	-103.33	-103.88	-106.50	-102.01	197.15					
1.98E+05	-102.87	-97.95	-103.88	-102.17	-107.51	-103.05	197.63					
1.98E+05	-101.97	-97.11	-101.93	-102.81	-105.33	-103.47	198.10					
1.99E+05	-101.16	-97.18	-101.41	-100.00	-105.33	-102.06	198.58					
1.99E+05	-99.40	-96.55	-100.37	-100.10	-102.08	-99.25	199.05					
2.00E+05	-97.72	-96.58	-98.88	-98.77	-100.24	-99.81	199.53					
2.00E+05	-97.33	-96.68	-98.18	-97.93	-100.40	-98.39	200.00					
Sum of column								92.94	-52.15	112.22	117.37	100.23

Attenuation (dB)
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Center Frequency
 (Hz)
 105000.00

Date/Time
 1/6/2011 12:25

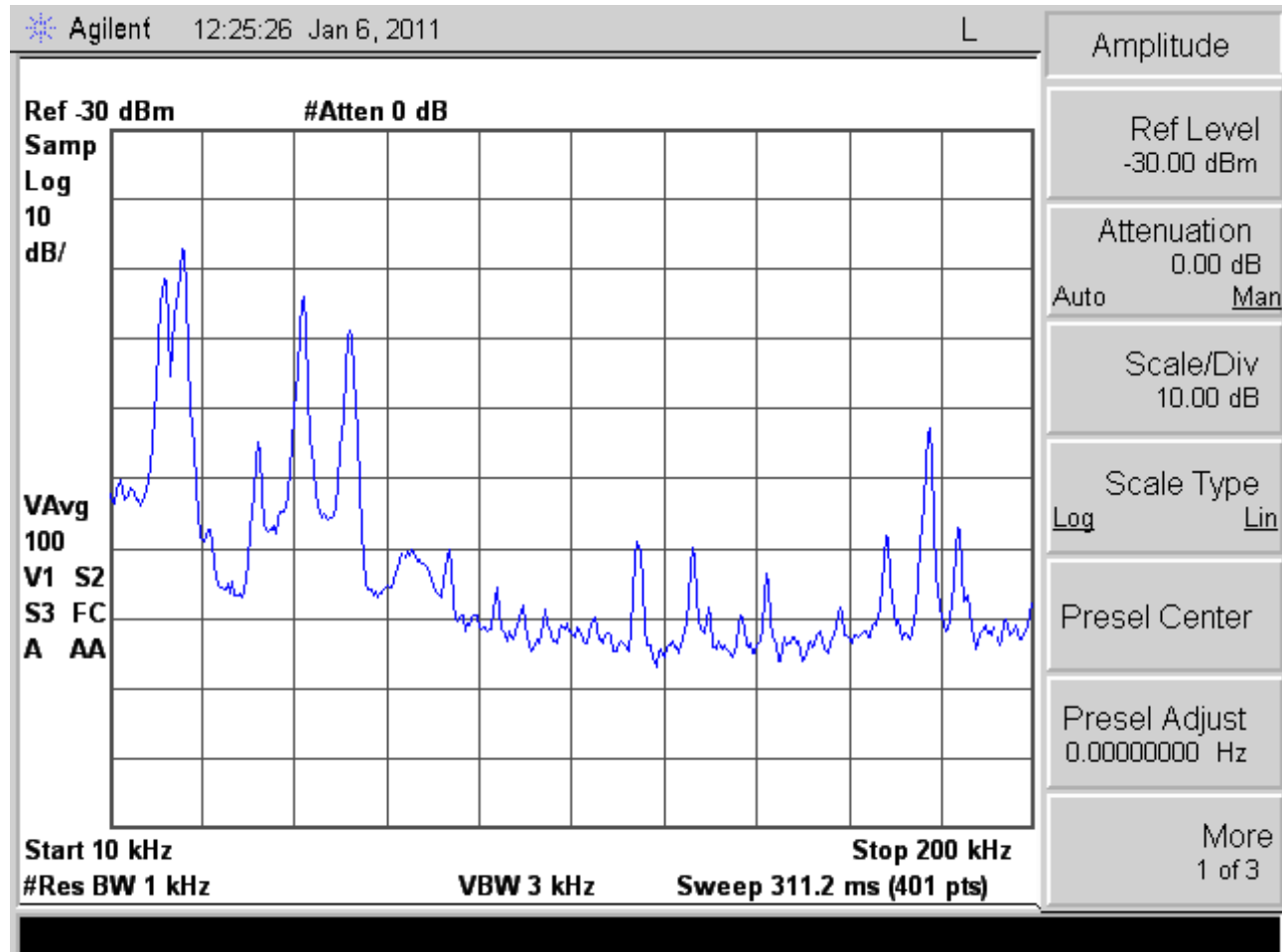
Instrument Model
 E4407B

Instrument Serial
 Number
 MY45116875

Reference Level
 (dBm)
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Resolution BW (Hz)
 1000.00

Scale Type
 LOG



Span Frequency (Hz)
190000.00

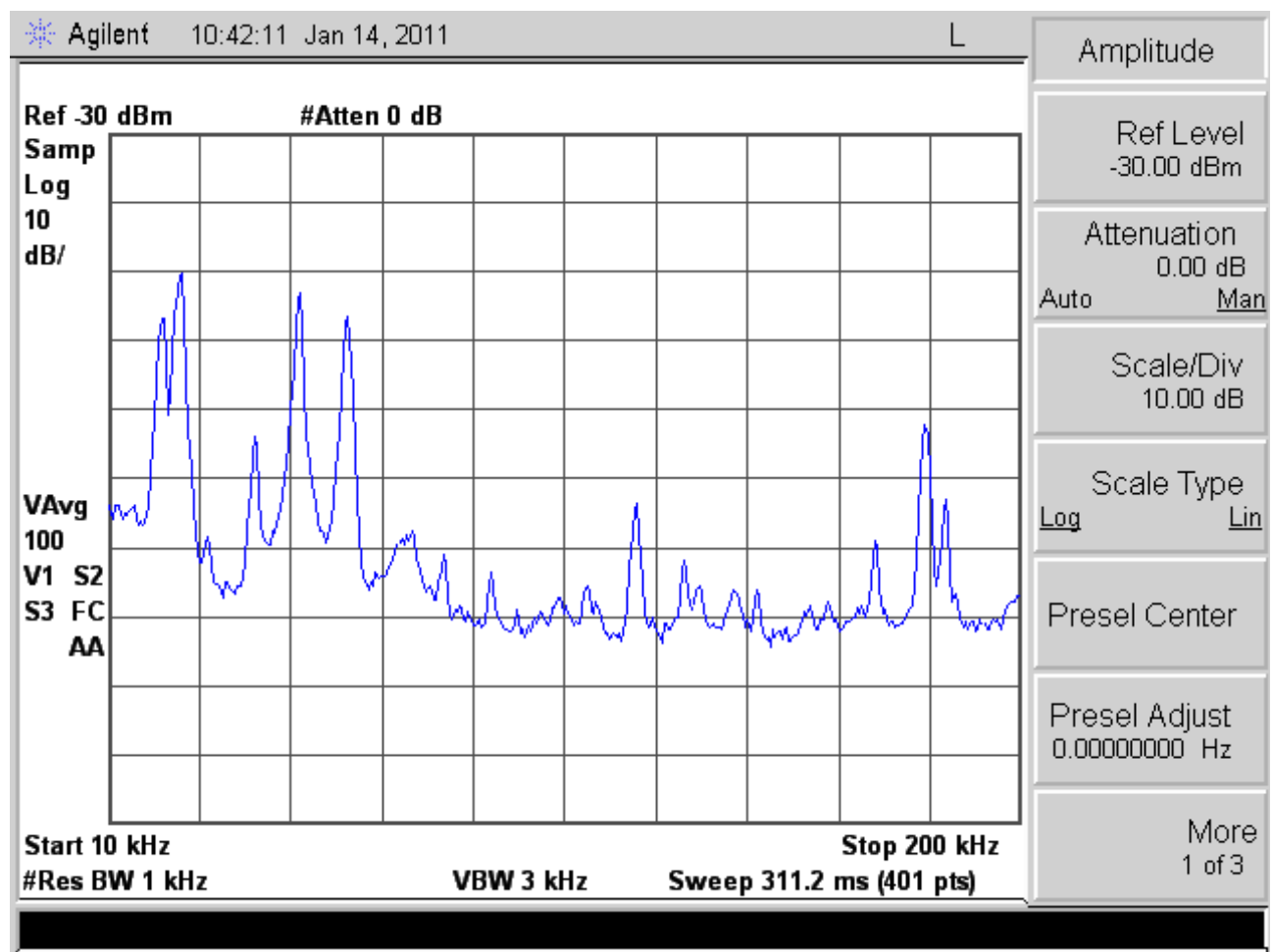
Start Frequency (Hz)
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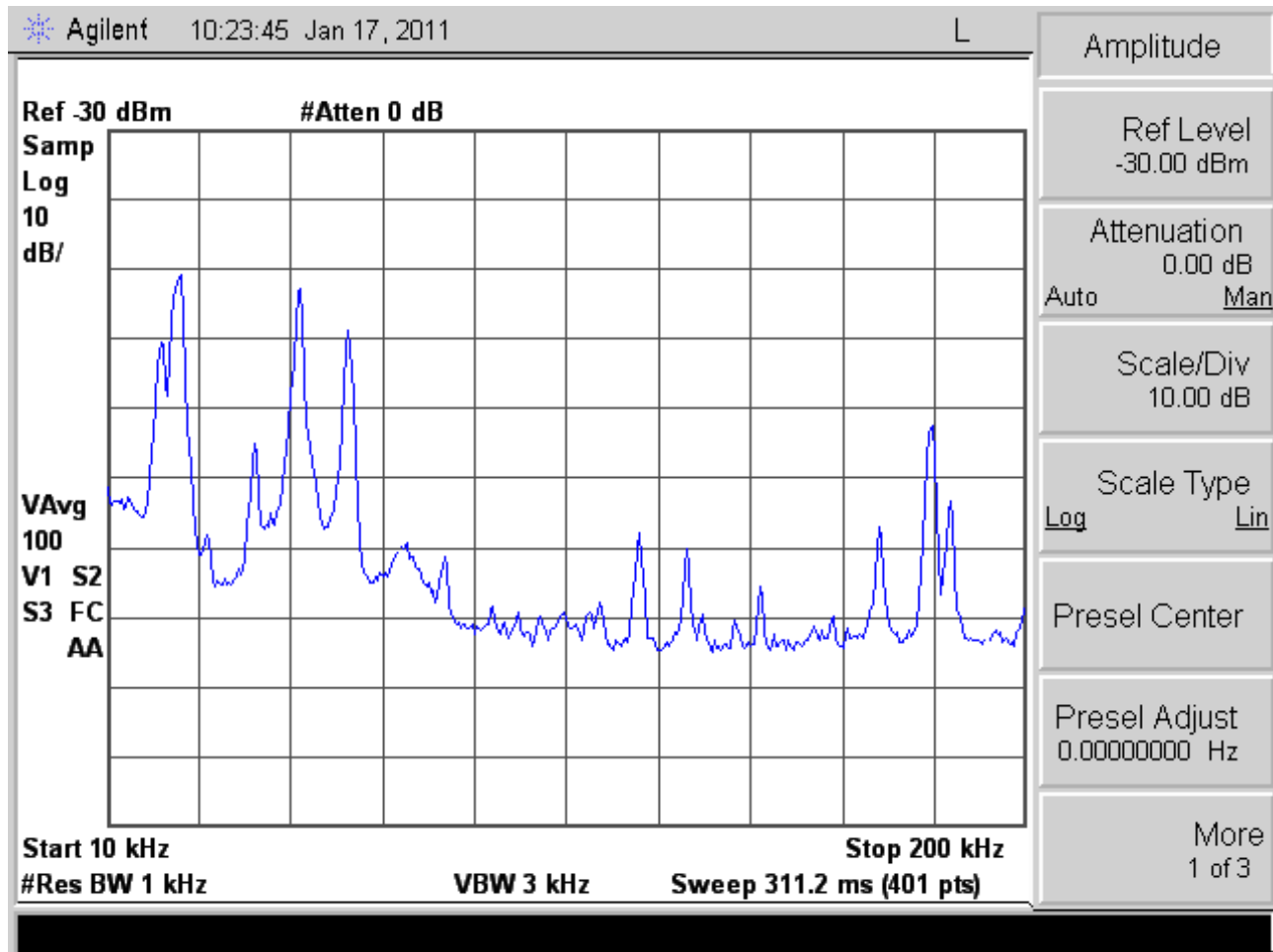
Stop Frequency (Hz)
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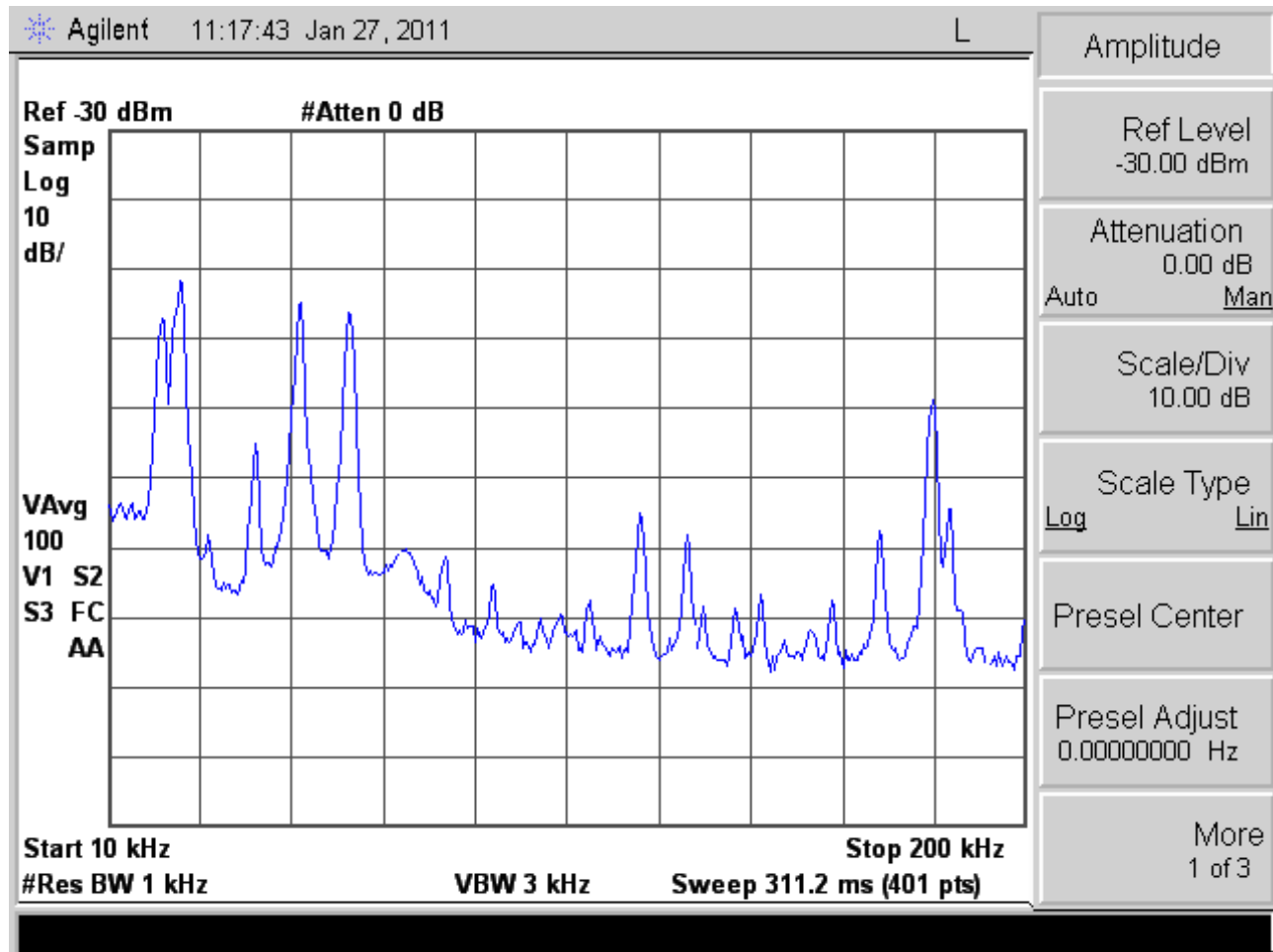
Sweep Number Of Points
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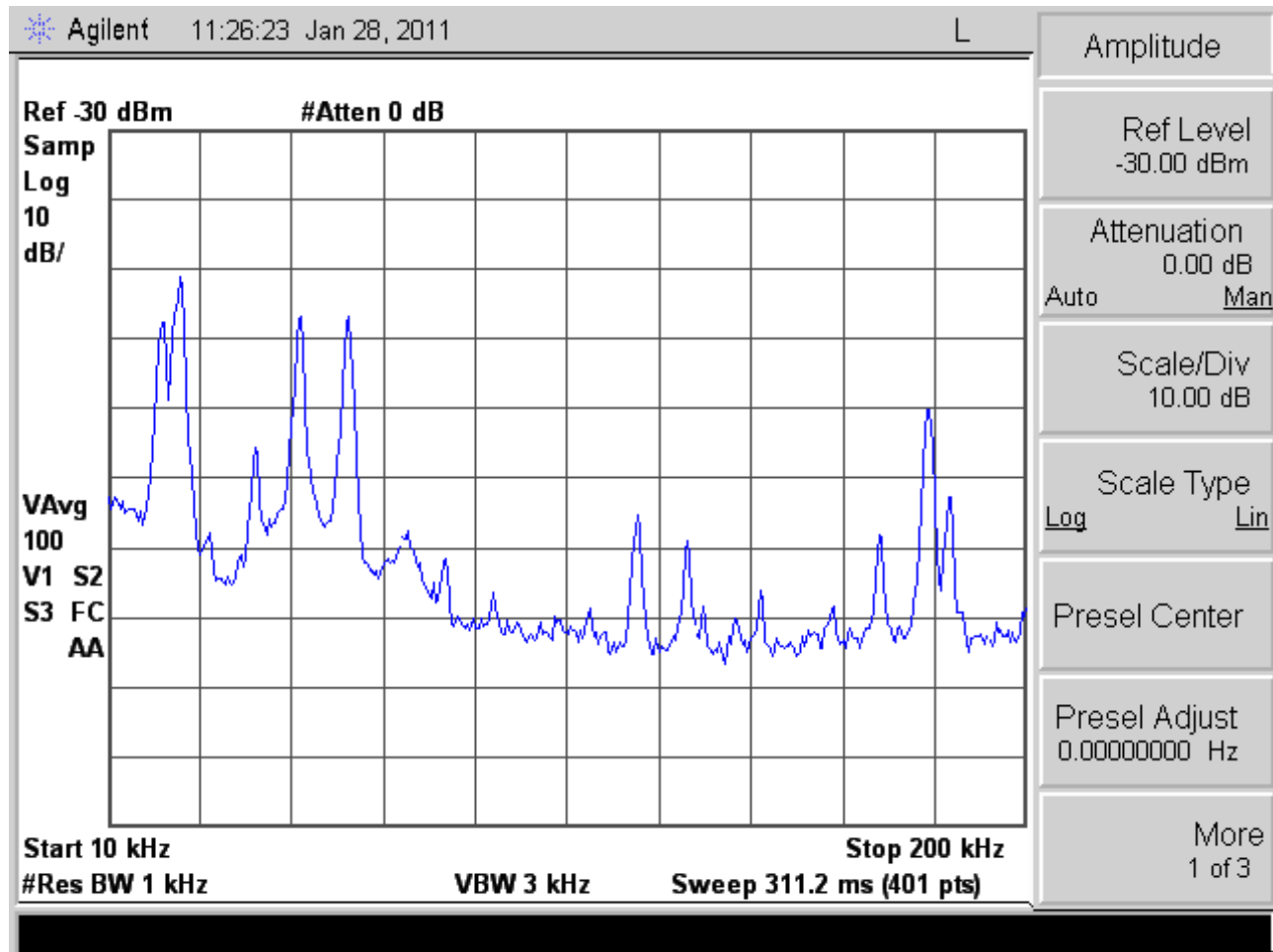
Sweep Time (seconds)
0.31

Video BW (Hz)
3000.00









200 KHz-2 MHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011

		Ambient Scan	1st tower section on	1st section up, 2nd	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.	Comparison					
			gnd, crane connected	on ground, crane connected			14-Jan	17-Jan	18-Jan	27-Jan	28-Jan	
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Minus the Ambient scan					
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Freq KHz Enter Limit >	dBm	dBm	dBm	dBm	dBm
2.00E+05	-96.19	-94.96	-97.38	-96.96	-99.11	-97.17	200.00	6.00	6.00	6.00	6.00	6.00
2.05E+05	-92.28	-92.11	-93.82	-92.37	-94.55	-94.05	204.50					
2.09E+05	-92.72	-90.23	-90.85	-89.87	-91.92	-90.39	209.00					
2.14E+05	-96.04	-93.23	-97.39	-95.75	-98.46	-97.38	213.50					
2.18E+05	-87.38	-86.55	-87.50	-87.69	-89.73	-89.09	218.00					
2.23E+05	-97.76	-95.60	-100.17	-99.38	-101.32	-99.95	222.50					
2.27E+05	-98.49	-95.63	-101.82	-98.21	-101.35	-99.35	227.00					
2.32E+05	-98.64	-95.35	-101.51	-99.50	-102.59	-98.51	231.50					
2.36E+05	-95.25	-91.11	-96.41	-94.54	-95.54	-95.27	236.00					
2.41E+05	-82.74	-85.02	-85.22	-85.66	-86.92	-86.79	240.50					
2.45E+05	-86.73	-87.01	-87.62	-88.75	-90.15	-88.90	245.00					
2.50E+05	-88.76	-87.10	-93.38	-93.87	-97.15	-94.92	249.50				-8.39	-6.17
2.54E+05	-93.43	-91.27	-98.05	-95.81	-98.68	-97.56	254.00					
2.59E+05	-92.18	-90.34	-93.68	-91.86	-93.43	-93.62	258.50					
2.63E+05	-96.84	-94.54	-99.81	-97.62	-100.26	-98.22	263.00					
2.68E+05	-87.08	-89.00	-89.60	-88.52	-92.37	-91.24	267.50					
2.72E+05	-99.98	-97.46	-101.99	-99.42	-102.25	-100.18	272.00					
2.77E+05	-98.14	-96.31	-98.68	-98.66	-100.88	-98.86	276.50					
2.81E+05	-98.96	-94.93	-99.11	-98.22	-101.79	-98.96	281.00					
2.86E+05	-89.03	-91.11	-90.68	-92.50	-94.12	-92.66	285.50					
2.90E+05	-84.08	-85.86	-84.89	-86.38	-88.28	-86.95	290.00					
2.95E+05	-80.57	-81.79	-84.11	-80.88	-84.21	-84.32	294.50					
2.99E+05	-83.38	-88.90	-92.43	-91.06	-85.04	-89.09	299.00		-9.05	-7.68		

200 KHz-2 MHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011

		Ambient Scan	1st tower section on	1st section up, 2nd	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.	Comparison					
			gnd, crane connected	on ground, crane connected				14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq KHz	Minus the Ambient scan				
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	dBm	dBm	dBm	dBm	dBm
3.04E+05	-89.57	-91.32	-97.39	-94.54	-100.86	-96.67	303.50		-7.82		-11.29	-7.10
3.08E+05	-91.48	-93.47	-95.81	-92.95	-97.76	-96.55	308.00				-6.28	
3.13E+05	-92.22	-91.24	-93.98	-95.03	-96.38	-94.88	312.50					
3.17E+05	-85.50	-82.41	-82.73	-88.90	-85.91	-87.41	317.00					
3.22E+05	-98.65	-97.17	-99.13	-100.52	-98.78	-96.87	321.50					
3.26E+05	-96.86	-96.72	-99.04	-97.04	-98.93	-96.83	326.00					
3.31E+05	-84.90	-85.07	-86.76	-85.95	-88.53	-87.40	330.50					
3.35E+05	-69.43	-69.90	-70.08	-70.71	-72.80	-72.77	335.00					
3.40E+05	-84.94	-85.63	-86.20	-86.21	-88.46	-88.80	339.50					
3.44E+05	-93.38	-92.93	-96.11	-94.45	-95.13	-93.35	344.00					
3.49E+05	-100.32	-97.96	-99.15	-98.59	-100.52	-94.38	348.50					
3.53E+05	-101.67	-97.04	-99.89	-98.33	-99.51	-94.46	353.00					7.21
3.58E+05	-92.88	-91.97	-94.32	-93.17	-93.05	-92.53	357.50					
3.62E+05	-79.54	-79.96	-83.34	-81.26	-81.69	-85.29	362.00					
3.67E+05	-96.36	-90.46	-91.15	-89.42	-91.29	-91.81	366.50			6.94		
3.71E+05	-98.71	-96.26	-99.54	-97.12	-98.06	-95.46	371.00					
3.76E+05	-101.65	-98.00	-100.09	-99.46	-101.98	-97.24	375.50					
3.80E+05	-101.00	-96.71	-99.72	-101.07	-100.58	-97.85	380.00					
3.85E+05	-96.98	-95.41	-96.61	-96.98	-96.75	-96.68	384.50					
3.89E+05	-92.60	-92.29	-92.52	-96.33	-92.99	-92.81	389.00					
3.94E+05	-94.04	-94.28	-95.82	-94.66	-96.91	-95.75	393.50					
3.98E+05	-82.52	-83.60	-84.94	-83.28	-85.92	-85.87	398.00					
4.03E+05	-65.04	-67.01	-67.42	-66.74	-68.91	-69.08	402.50					
4.07E+05	-49.02	-50.76	-50.66	-50.95	-53.36	-53.57	407.00					

200 KHz-2 MHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011

		Ambient Scan	1st tower section on	1st section up, 2nd	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in	Comparison					
			gnd, crane connected	on ground, crane connected		the horizontal position. All construction machinery has been removed. Area quiet.		14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq KHz	Minus the Ambient scan				
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	dBm	dBm	dBm	dBm	dBm
								6.00	6.00	6.00	6.00	6.00
4.12E+05	-65.86	-67.59	-67.99	-67.79	-70.49	-69.81	411.50					
4.16E+05	-83.81	-79.93	-82.18	-80.92	-77.86	-77.18	416.00					6.63
4.21E+05	-80.14	-93.57	-97.12	-95.96	-93.16	-95.57	420.50	-13.43	-16.98	-15.82	-13.02	-15.44
4.25E+05	-97.27	-95.78	-99.35	-99.27	-99.17	-97.25	425.00					
4.30E+05	-100.35	-96.64	-100.76	-101.67	-101.07	-98.07	429.50					
4.34E+05	-97.34	-94.88	-99.44	-100.51	-99.69	-97.21	434.00					
4.39E+05	-90.75	-91.69	-92.25	-94.99	-92.86	-92.45	438.50					
4.43E+05	-99.55	-95.96	-102.10	-101.20	-101.38	-96.34	443.00					
4.48E+05	-95.91	-96.63	-100.06	-98.37	-98.36	-93.18	447.50					
4.52E+05	-92.66	-94.56	-94.97	-94.72	-94.45	-90.73	452.00					
4.57E+05	-99.68	-96.10	-100.18	-98.35	-100.80	-91.01	456.50					8.67
4.61E+05	-101.76	-96.12	-102.26	-102.52	-102.00	-90.64	461.00					11.13
4.66E+05	-96.64	-91.94	-96.96	-94.84	-96.05	-88.96	465.50					7.68
4.70E+05	-101.27	-90.94	-100.56	-102.08	-101.30	-90.28	470.00	10.33				10.99
4.75E+05	-100.38	-90.28	-99.03	-99.44	-98.94	-88.83	474.50	10.10				11.55
4.79E+05	-97.54	-93.11	-98.81	-98.89	-98.16	-89.14	479.00					8.40
4.84E+05	-97.25	-93.90	-101.04	-101.23	-98.49	-92.36	483.50					
4.88E+05	-88.24	-89.50	-94.72	-94.65	-89.17	-89.87	488.00		-6.48	-6.41		
4.93E+05	-100.24	-93.67	-101.46	-103.12	-101.10	-96.77	492.50	6.57				
4.97E+05	-97.18	-91.06	-100.23	-101.45	-101.63	-97.74	497.00	6.12				
5.02E+05	-83.22	-90.28	-97.39	-96.93	-97.60	-95.46	501.50	-7.06	-14.17	-13.71	-14.38	-12.25
5.06E+05	-81.52	-89.93	-96.12	-95.75	-95.91	-95.27	506.00	-8.40	-14.59	-14.23	-14.39	-13.75
5.11E+05	-96.08	-89.18	-101.17	-100.56	-100.49	-97.33	510.50	6.90				
5.15E+05	-95.77	-88.27	-100.68	-99.29	-100.26	-96.33	515.00	7.50				

200 KHz-2 MHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011

		Ambient Scan	1st tower section on	1st section up, 2nd	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.	Comparison					
			gnd, crane connected	on ground, crane connected				14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq KHz	Minus the Ambient scan				
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	dBm	dBm	dBm	dBm	dBm
5.20E+05	-96.25	-90.34	-100.07	-100.09	-99.82	-95.52	519.50	6.00	6.00	6.00	6.00	6.00
5.24E+05	-99.70	-92.25	-101.19	-101.05	-100.86	-96.44	524.00	7.44				
5.29E+05	-93.89	-90.91	-97.11	-97.05	-98.86	-93.96	528.50					
5.33E+05	-79.92	-82.60	-84.46	-86.19	-88.35	-87.62	533.00			-6.26	-8.42	-7.69
5.38E+05	-66.96	-70.13	-69.97	-76.82	-76.49	-75.90	537.50			-9.86	-9.53	-8.94
5.42E+05	-82.11	-84.45	-85.08	-85.46	-87.28	-86.94	542.00					
5.47E+05	-65.85	-68.66	-68.91	-69.21	-71.70	-71.46	546.50					
5.51E+05	-78.18	-81.32	-81.69	-80.96	-84.08	-83.24	551.00					
5.56E+05	-88.44	-90.00	-91.54	-89.43	-92.90	-91.57	555.50					
5.60E+05	-85.43	-88.01	-88.44	-87.56	-90.34	-90.19	560.00					
5.65E+05	-83.37	-86.57	-87.67	-86.47	-96.43	-93.02	564.50				-13.06	-9.65
5.69E+05	-76.33	-80.56	-79.87	-78.80	-87.18	-85.69	569.00				-10.85	-9.35
5.74E+05	-67.09	-67.77	-68.44	-68.68	-73.03	-72.51	573.50					
5.78E+05	-54.78	-55.69	-56.13	-56.27	-60.81	-61.01	578.00				-6.03	-6.23
5.83E+05	-74.87	-77.10	-77.72	-77.30	-81.44	-81.77	582.50				-6.57	-6.90
5.87E+05	-79.86	-82.35	-80.56	-78.62	-81.49	-82.32	587.00					
5.92E+05	-94.30	-92.99	-93.39	-92.18	-96.39	-95.21	591.50					
5.96E+05	-85.93	-91.44	-90.61	-90.53	-95.18	-95.16	596.00				-9.25	-9.23
6.01E+05	-92.59	-96.63	-97.98	-96.66	-100.91	-99.42	600.50				-8.32	-6.83
6.05E+05	-91.21	-94.73	-97.83	-92.98	-100.26	-97.84	605.00		-6.62		-9.05	-6.63
6.10E+05	-86.44	-90.11	-90.24	-88.60	-90.31	-90.86	609.50					
6.14E+05	-77.87	-78.15	-79.25	-78.64	-81.64	-81.35	614.00					
6.19E+05	-68.96	-68.76	-69.78	-70.34	-72.78	-72.90	618.50					
6.23E+05	-88.40	-88.64	-89.55	-87.92	-90.31	-91.34	623.00					

200 KHz-2 MHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011

		Ambient Scan	1st tower section on	1st section up, 2nd	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.	Comparison					
			gnd, crane connected	on ground, crane connected				14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq KHz	Minus the Ambient scan				
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	dBm	dBm	dBm	dBm	dBm
								6.00	6.00	6.00	6.00	6.00
6.28E+05	-81.50	-82.72	-81.43	-80.53	-82.43	-81.61	627.50					
6.32E+05	-94.07	-93.88	-94.28	-92.89	-96.98	-96.89	632.00					
6.37E+05	-80.82	-82.39	-81.18	-80.20	-85.53	-85.36	636.50					
6.41E+05	-91.20	-93.00	-92.27	-90.68	-95.53	-95.16	641.00					
6.46E+05	-93.00	-94.53	-97.44	-91.58	-100.56	-95.75	645.50				-7.57	
6.50E+05	-94.24	-89.06	-93.12	-92.11	-98.82	-94.67	650.00					
6.55E+05	-88.57	-77.97	-86.15	-78.67	-84.13	-80.78	654.50	10.60		9.90		7.79
6.59E+05	-79.29	-85.72	-85.28	-72.36	-82.55	-87.32	659.00	-6.43		6.93		-8.03
6.64E+05	-84.70	-91.07	-90.39	-86.65	-89.56	-89.63	663.50	-6.37				
6.68E+05	-79.00	-87.15	-95.96	-76.39	-91.32	-92.03	668.00	-8.15	-16.96		-12.32	-13.03
6.73E+05	-95.14	-95.98	-98.42	-93.00	-98.35	-93.35	672.50					
6.77E+05	-83.39	-84.93	-83.70	-82.11	-86.01	-86.22	677.00					
6.82E+05	-85.23	-83.34	-84.88	-84.25	-82.51	-81.85	681.50					
6.86E+05	-67.30	-66.70	-67.94	-66.77	-64.91	-66.21	686.00					
6.91E+05	-75.61	-75.28	-75.70	-74.08	-72.91	-73.81	690.50					
6.95E+05	-86.85	-86.67	-88.02	-78.74	-89.02	-85.59	695.00			8.12		
7.00E+05	-85.86	-86.38	-89.32	-76.58	-91.21	-84.94	699.50			9.27		
7.04E+05	-85.24	-80.96	-82.39	-78.67	-80.94	-81.66	704.00			6.57		
7.09E+05	-76.25	-71.93	-72.65	-69.43	-71.50	-71.97	708.50			6.82		
7.13E+05	-87.28	-84.74	-89.47	-86.97	-89.89	-87.29	713.00					
7.18E+05	-72.23	-74.18	-77.18	-72.35	-76.73	-74.63	717.50					
7.22E+05	-62.47	-66.15	-65.04	-62.83	-64.57	-65.51	722.00					
7.27E+05	-46.36	-50.04	-49.37	-48.88	-47.91	-49.06	726.50					
7.31E+05	-58.44	-63.38	-62.15	-60.46	-60.70	-61.27	731.00					

200 KHz-2 MHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011

								Comparison				
Ambient Scan		1st tower section on	1st section up, 2nd	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.			14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq KHz	Minus the Ambient scan				
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	dBm	dBm	dBm	dBm	dBm
7.36E+05	-69.14	-72.88	-74.25	-69.89	-72.63	-71.42	735.50	6.00	6.00	6.00	6.00	6.00
7.40E+05	-81.18	-84.49	-85.11	-83.40	-84.95	-81.62	740.00					
7.45E+05	-85.02	-85.17	-87.62	-86.00	-87.57	-84.18	744.50					
7.49E+05	-77.32	-74.47	-77.68	-78.66	-78.38	-79.71	749.00					
7.54E+05	-66.86	-69.52	-69.41	-69.53	-66.31	-66.80	753.50					
7.58E+05	-55.05	-56.85	-57.76	-57.07	-54.46	-54.82	758.00					
7.63E+05	-75.21	-76.44	-75.47	-77.28	-74.78	-76.00	762.50					
7.67E+05	-82.64	-84.51	-84.08	-85.11	-83.91	-84.72	767.00					
7.72E+05	-77.92	-78.72	-76.77	-75.65	-77.26	-76.82	771.50					
7.76E+05	-72.14	-72.30	-71.94	-70.23	-71.36	-72.13	776.00					
7.81E+05	-76.57	-76.00	-75.54	-73.78	-75.47	-75.42	780.50					
7.85E+05	-58.13	-59.09	-57.36	-56.83	-56.55	-57.27	785.00					
7.90E+05	-56.84	-57.40	-55.32	-55.14	-55.24	-55.46	789.50					
7.94E+05	-78.89	-79.20	-77.47	-76.36	-78.39	-77.40	794.00					
7.99E+05	-74.22	-74.58	-72.39	-71.46	-72.42	-73.55	798.50					
8.03E+05	-77.54	-77.89	-76.19	-76.50	-76.22	-75.49	803.00					
8.08E+05	-89.96	-93.21	-94.67	-86.37	-94.48	-85.35	807.50					
8.12E+05	-96.09	-94.24	-94.73	-89.26	-94.60	-86.95	812.00			6.84		9.15
8.17E+05	-83.39	-82.50	-78.63	-72.02	-79.95	-82.05	816.50			11.37		
8.21E+05	-72.36	-71.71	-69.07	-70.53	-69.24	-71.36	821.00					
8.26E+05	-55.14	-56.45	-53.11	-53.54	-54.40	-54.48	825.50					
8.30E+05	-58.33	-59.15	-56.55	-56.99	-58.13	-57.25	830.00					
8.35E+05	-78.27	-75.54	-72.59	-73.85	-72.73	-77.96	834.50					
8.39E+05	-85.14	-85.10	-82.48	-85.17	-83.85	-87.58	839.00					

200 KHz-2 MHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011

		Ambient Scan	1st tower section on	1st section up, 2nd	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in	Comparison					
			gnd, crane connected	on ground, crane connected		the horizontal position. All construction machinery has been removed. Area quiet.		14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq KHz	Minus the Ambient scan				
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	dBm	dBm	dBm	dBm	dBm
8.44E+05	-91.37	-95.16	-97.08	-93.52	-97.25	-90.82	843.50	6.00	6.00	6.00	6.00	6.00
8.48E+05	-80.39	-93.89	-95.52	-84.24	-92.10	-87.35	848.00	-13.50	-15.14		-11.72	-6.96
8.53E+05	-95.38	-94.19	-95.64	-94.58	-97.57	-90.14	852.50					
8.57E+05	-86.69	-84.75	-84.00	-81.50	-87.51	-84.41	857.00					
8.62E+05	-97.36	-96.21	-97.22	-95.14	-99.69	-90.73	861.50					6.63
8.66E+05	-91.63	-92.66	-97.40	-97.73	-99.52	-93.02	866.00			-6.10	-7.90	
8.71E+05	-97.68	-95.35	-100.58	-99.27	-99.93	-92.83	870.50					
8.75E+05	-90.77	-92.37	-93.94	-89.06	-92.80	-88.04	875.00					
8.80E+05	-90.56	-92.93	-94.62	-88.26	-93.72	-89.60	879.50					
8.84E+05	-96.76	-94.91	-97.00	-97.98	-101.87	-93.49	884.00					
8.89E+05	-88.68	-89.79	-88.61	-89.79	-96.07	-91.73	888.50				-7.39	
8.93E+05	-98.51	-89.36	-91.32	-88.68	-90.75	-87.97	893.00	9.15	7.19	9.83	7.76	10.54
8.98E+05	-96.54	-94.19	-96.86	-96.86	-90.40	-92.12	897.50				6.15	
9.02E+05	-92.02	-91.87	-94.81	-95.03	-96.71	-92.99	902.00					
9.07E+05	-80.03	-78.79	-78.54	-79.79	-81.74	-79.75	906.50					
9.11E+05	-92.34	-91.22	-91.21	-91.29	-94.09	-88.99	911.00					
9.16E+05	-91.53	-94.10	-94.82	-90.55	-91.49	-90.65	915.50					
9.20E+05	-83.27	-87.47	-90.10	-89.56	-85.01	-84.49	920.00		-6.83	-6.29		
9.25E+05	-65.01	-69.51	-74.31	-73.05	-66.94	-67.50	924.50		-9.30	-8.05		
9.29E+05	-59.47	-64.10	-68.47	-68.20	-61.19	-61.66	929.00		-8.99	-8.73		
9.34E+05	-81.43	-81.49	-82.41	-84.10	-82.26	-81.03	933.50					
9.38E+05	-71.42	-69.97	-69.81	-71.53	-71.07	-70.72	938.00					
9.43E+05	-91.70	-88.29	-91.54	-91.74	-91.71	-91.52	942.50					
9.47E+05	-85.23	-85.84	-86.17	-83.37	-83.27	-85.29	947.00					

200 KHz-2 MHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011

		Ambient Scan	1st tower section on	1st section up, 2nd	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.	Comparison					
			gnd, crane connected	on ground, crane connected				14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq KHz	Minus the Ambient scan				
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	dBm	dBm	dBm	dBm	dBm
								6.00	6.00	6.00	6.00	6.00
9.52E+05	-97.96	-94.00	-96.34	-94.87	-94.67	-94.06	951.50					
9.56E+05	-85.08	-83.54	-82.01	-81.46	-80.51	-81.71	956.00					
9.61E+05	-93.30	-91.01	-90.60	-89.63	-89.14	-90.06	960.50					
9.65E+05	-89.41	-88.48	-89.29	-89.05	-85.27	-90.74	965.00					
9.70E+05	-83.44	-85.83	-86.57	-85.53	-83.05	-87.88	969.50					
9.74E+05	-70.34	-73.00	-76.34	-76.08	-74.36	-73.51	974.00		-6.00			
9.79E+05	-61.44	-64.04	-66.37	-67.06	-64.96	-64.47	978.50					
9.83E+05	-78.79	-82.68	-84.34	-86.22	-83.14	-82.70	983.00			-7.43		
9.88E+05	-71.55	-70.74	-71.58	-77.09	-72.08	-72.09	987.50					
9.92E+05	-87.25	-87.10	-88.30	-95.25	-88.76	-89.60	992.00			-8.00		
9.97E+05	-89.05	-90.21	-95.99	-92.05	-95.29	-97.38	996.50		-6.94		-6.24	-8.32
1.00E+06	-95.64	-89.06	-94.47	-89.41	-94.62	-95.73	1001.00	6.58		6.23		
1.01E+06	-80.66	-77.41	-80.49	-72.15	-77.66	-78.64	1005.50			8.51		
1.01E+06	-80.64	-80.54	-83.20	-75.41	-81.33	-82.01	1010.00					
1.01E+06	-94.41	-90.17	-97.10	-92.83	-94.67	-93.11	1014.50					
1.02E+06	-89.52	-86.79	-89.21	-89.21	-88.30	-86.90	1019.00					
1.02E+06	-72.27	-72.98	-72.78	-74.82	-71.87	-72.43	1023.50					
1.03E+06	-60.59	-60.38	-60.68	-63.26	-59.76	-59.96	1028.00					
1.03E+06	-82.19	-80.99	-81.81	-83.75	-80.79	-80.15	1032.50					
1.04E+06	-85.47	-83.82	-86.37	-85.18	-86.92	-85.66	1037.00					
1.04E+06	-99.47	-93.04	-100.39	-99.12	-99.93	-99.94	1041.50	6.43				
1.05E+06	-94.67	-92.82	-95.82	-91.07	-96.37	-94.79	1046.00					
1.05E+06	-97.92	-91.91	-98.72	-96.06	-99.86	-97.34	1050.50	6.00				
1.06E+06	-84.74	-76.42	-84.28	-82.78	-89.79	-82.70	1055.00	8.32				

200 KHz-2 MHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011

		Ambient Scan	1st tower section on	1st section up, 2nd	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.	Comparison					
			gnd, crane connected	on ground, crane connected				14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq KHz	Minus the Ambient scan				
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	dBm	dBm	dBm	dBm	dBm
1.06E+06	-83.81	-75.17	-82.50	-81.43	-88.14	-81.39	1059.50	6.00	6.00	6.00	6.00	6.00
1.06E+06	-92.35	-89.21	-94.36	-93.94	-96.97	-94.77	1064.00	8.64				
1.07E+06	-87.06	-90.82	-91.93	-88.96	-94.14	-95.46	1068.50				-7.09	-8.40
1.07E+06	-81.51	-81.68	-81.52	-83.13	-80.89	-80.68	1073.00					
1.08E+06	-67.95	-67.95	-67.93	-69.45	-67.58	-67.60	1077.50					
1.08E+06	-85.61	-85.36	-83.73	-87.64	-85.55	-85.22	1082.00					
1.09E+06	-93.44	-91.39	-92.34	-86.02	-91.54	-94.25	1086.50			7.42		
1.09E+06	-85.81	-83.94	-86.00	-87.21	-80.19	-84.49	1091.00					
1.10E+06	-79.82	-69.54	-73.99	-79.66	-63.25	-73.26	1095.50	10.28			16.57	6.56
1.10E+06	-82.76	-73.07	-77.40	-81.49	-66.24	-76.16	1100.00	9.69			16.52	6.60
1.10E+06	-96.58	-88.49	-94.13	-95.62	-86.23	-90.54	1104.50	8.08			10.34	6.04
1.11E+06	-93.95	-92.85	-99.57	-93.77	-95.34	-92.75	1109.00					
1.11E+06	-98.07	-96.32	-101.10	-85.94	-101.22	-95.15	1113.50			12.13		
1.12E+06	-90.02	-89.60	-94.41	-73.70	-96.51	-91.43	1118.00			16.32	-6.49	
1.12E+06	-95.40	-92.59	-93.58	-89.88	-95.27	-92.07	1122.50					
1.13E+06	-79.96	-78.21	-77.99	-78.39	-81.00	-81.35	1127.00					
1.13E+06	-94.98	-91.68	-92.46	-91.72	-93.62	-89.93	1131.50					
1.14E+06	-96.06	-94.00	-97.55	-88.93	-90.18	-93.73	1136.00			7.13		
1.14E+06	-92.62	-91.96	-94.63	-91.05	-94.56	-92.53	1140.50					
1.15E+06	-86.20	-84.26	-87.90	-84.72	-84.94	-86.51	1145.00					
1.15E+06	-86.83	-84.82	-89.80	-85.18	-85.81	-87.31	1149.50					
1.15E+06	-95.98	-95.87	-100.77	-75.55	-100.17	-93.10	1154.00			20.43		
1.16E+06	-87.77	-95.34	-95.89	-66.92	-96.65	-89.35	1158.50	-7.57	-8.13	20.85	-8.88	
1.16E+06	-99.94	-93.57	-98.89	-86.62	-98.90	-92.05	1163.00	6.37		13.32		7.89

200 KHz-2 MHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011

		Ambient Scan	1st tower section on	1st section up, 2nd	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.	Comparison					
			gnd, crane connected	on ground, crane connected				14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq KHz	Minus the Ambient scan				
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	dBm	dBm	dBm	dBm	dBm
1.17E+06	-90.95	-81.26	-87.30	-76.61	-86.20	-87.18	1167.50	6.00	6.00	6.00	6.00	6.00
1.17E+06	-95.09	-91.29	-95.26	-87.39	-96.33	-91.18	1172.00	9.68		14.33		
1.18E+06	-101.06	-95.97	-101.63	-99.91	-100.45	-94.71	1176.50			7.69		6.35
1.18E+06	-101.41	-95.65	-100.18	-100.21	-100.04	-94.35	1181.00					7.07
1.19E+06	-96.50	-88.85	-93.74	-87.76	-90.10	-91.99	1185.50	7.65		8.74	6.40	
1.19E+06	-96.36	-90.61	-94.86	-90.52	-92.23	-93.08	1190.00					
1.19E+06	-89.36	-89.34	-91.53	-92.10	-90.57	-90.49	1194.50					
1.20E+06	-80.80	-84.72	-86.82	-86.29	-85.73	-83.36	1199.00		-6.02			
1.20E+06	-73.01	-74.12	-74.22	-74.54	-72.36	-71.76	1203.50					
1.21E+06	-60.49	-61.87	-62.17	-62.89	-60.20	-60.31	1208.00					
1.21E+06	-79.15	-82.59	-83.30	-83.75	-81.25	-78.73	1212.50					
1.22E+06	-83.43	-92.08	-94.10	-92.86	-94.84	-87.28	1217.00	-8.65	-10.67	-9.43	-11.41	
1.22E+06	-95.52	-92.95	-96.10	-96.97	-94.86	-95.33	1221.50					
1.23E+06	-88.85	-85.56	-87.18	-85.81	-80.86	-85.74	1226.00				7.99	
1.23E+06	-95.51	-92.14	-94.55	-93.00	-88.37	-91.45	1230.50				7.14	
1.24E+06	-91.11	-88.27	-91.29	-89.72	-86.01	-90.34	1235.00					
1.24E+06	-84.00	-83.20	-83.47	-84.88	-83.18	-83.28	1239.50					
1.24E+06	-66.54	-67.17	-67.02	-67.59	-66.34	-66.56	1244.00					
1.25E+06	-57.14	-57.65	-57.35	-57.97	-57.23	-57.21	1248.50					
1.25E+06	-80.53	-75.32	-78.23	-80.22	-80.54	-80.03	1253.00					
1.26E+06	-86.74	-70.55	-86.57	-86.31	-83.23	-86.96	1257.50	16.19				
1.26E+06	-98.35	-89.49	-100.05	-97.49	-94.71	-94.01	1262.00	8.86				
1.27E+06	-96.01	-81.54	-93.23	-84.51	-79.07	-89.12	1266.50	14.46		11.50	16.94	6.89
1.27E+06	-99.76	-90.79	-99.07	-91.48	-90.79	-92.03	1271.00	8.97		8.28	8.97	7.73

200 KHz-2 MHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011

		Ambient Scan	1st tower section on	1st section up, 2nd	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.	Comparison					
			gnd, crane connected	on ground, crane connected				14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq KHz	Minus the Ambient scan				
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	dBm	dBm	dBm	dBm	dBm
1.28E+06	-89.37	-84.39	-92.35	-76.55	-83.47	-87.44	1275.50	6.00	6.00	6.00	6.00	6.00
1.28E+06	-92.72	-84.65	-93.02	-79.24	-87.08	-88.35	1280.00	8.07		13.48		
1.28E+06	-81.89	-78.40	-82.83	-79.57	-82.38	-79.38	1284.50			12.82		
1.29E+06	-76.04	-78.16	-77.78	-74.50	-77.33	-74.45	1289.00					
1.29E+06	-92.05	-89.94	-90.32	-91.26	-83.88	-88.31	1293.50				8.17	
1.30E+06	-80.50	-80.05	-81.58	-82.59	-72.27	-80.54	1298.00				8.23	
1.30E+06	-86.49	-84.82	-87.61	-86.80	-86.11	-86.22	1302.50					
1.31E+06	-74.64	-73.52	-82.18	-78.49	-78.28	-77.64	1307.00		-7.55			
1.31E+06	-90.61	-88.44	-96.07	-92.26	-92.43	-91.60	1311.50					
1.32E+06	-98.40	-93.24	-98.79	-84.61	-94.35	-93.71	1316.00			13.79		
1.32E+06	-91.47	-91.32	-92.65	-90.47	-90.94	-89.50	1320.50					
1.33E+06	-73.59	-75.56	-76.37	-76.83	-72.60	-72.47	1325.00					
1.33E+06	-71.90	-74.52	-74.11	-75.75	-70.69	-70.86	1329.50					
1.33E+06	-92.35	-82.07	-90.12	-92.32	-90.81	-92.57	1334.00	10.27				
1.34E+06	-90.34	-87.61	-93.54	-85.04	-85.48	-94.30	1338.50					
1.34E+06	-99.88	-94.64	-100.03	-98.94	-96.36	-98.04	1343.00					
1.35E+06	-90.70	-88.18	-92.38	-88.00	-85.96	-96.00	1347.50					
1.35E+06	-91.25	-82.87	-93.47	-87.43	-83.97	-90.94	1352.00	8.38			7.28	
1.36E+06	-79.76	-67.09	-80.43	-71.88	-66.65	-74.26	1356.50	12.67		7.88	13.10	
1.36E+06	-90.58	-79.30	-91.29	-83.08	-79.28	-86.24	1361.00	11.28		7.50	11.30	
1.37E+06	-80.86	-82.30	-83.36	-81.36	-83.63	-83.96	1365.50					
1.37E+06	-84.14	-84.58	-86.19	-84.02	-86.15	-86.44	1370.00					
1.37E+06	-94.80	-91.26	-94.53	-92.87	-90.79	-94.97	1374.50					
1.38E+06	-93.28	-89.62	-94.91	-90.97	-87.94	-94.34	1379.00					

200 KHz-2 MHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011

								Comparison				
Ambient Scan		1st tower section on	1st section up, 2nd	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.			14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq KHz	Minus the Ambient scan				
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	dBm	dBm	dBm	dBm	dBm
1.38E+06	-87.73	-87.86	-89.77	-88.88	-89.50	-89.06	1383.50	6.00	6.00	6.00	6.00	6.00
1.39E+06	-86.16	-85.60	-89.13	-85.19	-86.79	-89.08	1388.00					
1.39E+06	-75.15	-78.99	-77.32	-82.46	-80.33	-79.69	1392.50			-7.31		
1.40E+06	-74.09	-74.36	-74.54	-73.48	-75.22	-74.51	1397.00					
1.40E+06	-70.77	-71.72	-70.69	-71.50	-71.13	-71.23	1401.50					
1.41E+06	-59.37	-58.47	-58.94	-59.75	-59.84	-60.17	1406.00					
1.41E+06	-43.95	-44.84	-43.72	-45.25	-44.77	-45.06	1410.50					
1.42E+06	-25.31	-26.48	-25.73	-27.12	-26.42	-26.47	1415.00					
1.42E+06	-24.30	-24.56	-24.40	-25.20	-24.34	-25.36	1419.50					
1.42E+06	-47.72	-48.52	-47.23	-48.52	-48.26	-49.24	1424.00					
1.43E+06	-62.20	-61.59	-60.94	-62.50	-62.54	-63.83	1428.50					
1.43E+06	-73.24	-73.87	-73.53	-74.71	-74.03	-73.75	1433.00					
1.44E+06	-79.13	-68.22	-80.46	-77.51	-78.36	-79.22	1437.50	10.91				
1.44E+06	-75.36	-77.10	-76.32	-80.56	-79.62	-78.97	1442.00					
1.45E+06	-69.47	-72.18	-72.57	-70.70	-71.65	-71.14	1446.50					
1.45E+06	-74.54	-73.66	-74.45	-73.21	-76.01	-75.11	1451.00					
1.46E+06	-63.41	-62.49	-63.40	-61.67	-64.31	-65.57	1455.50					
1.46E+06	-48.48	-48.27	-48.62	-46.93	-49.68	-50.39	1460.00					
1.46E+06	-30.06	-29.15	-29.74	-29.57	-31.46	-31.96	1464.50					
1.47E+06	-24.47	-23.91	-23.92	-23.93	-25.79	-26.00	1469.00					
1.47E+06	-47.54	-47.05	-47.74	-47.03	-49.74	-50.17	1473.50					
1.48E+06	-63.10	-62.59	-62.43	-61.00	-64.54	-64.93	1478.00					
1.48E+06	-74.93	-74.16	-74.97	-72.92	-76.47	-76.03	1482.50					
1.49E+06	-78.02	-77.97	-79.04	-75.26	-75.39	-77.28	1487.00					

200 KHz-2 MHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011

		Ambient Scan	1st tower section on	1st section up, 2nd	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.	Comparison					
			gnd, crane connected	on ground, crane connected				14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq KHz	Minus the Ambient scan				
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	dBm	dBm	dBm	dBm	dBm
								6.00	6.00	6.00	6.00	6.00
1.49E+06	-79.80	-80.21	-81.02	-82.98	-84.04	-83.34	1491.50					
1.50E+06	-89.41	-87.13	-90.22	-91.40	-84.54	-91.56	1496.00					
1.50E+06	-92.28	-80.16	-91.40	-85.99	-89.11	-93.32	1500.50	12.12		6.29		
1.51E+06	-84.64	-64.83	-85.33	-70.08	-74.75	-78.73	1505.00	19.81		14.56	9.89	
1.51E+06	-83.57	-63.05	-83.41	-68.30	-73.56	-77.04	1509.50	20.52		15.27	10.01	6.53
1.51E+06	-82.38	-79.72	-81.51	-81.01	-83.95	-85.11	1514.00					
1.52E+06	-73.49	-73.07	-72.10	-72.68	-75.56	-75.61	1518.50					
1.52E+06	-93.31	-90.57	-91.65	-82.79	-94.89	-94.15	1523.00			10.52		
1.53E+06	-88.76	-86.52	-89.46	-69.39	-88.04	-89.43	1527.50			19.37		
1.53E+06	-86.46	-85.27	-86.80	-82.95	-82.91	-85.53	1532.00					
1.54E+06	-82.82	-80.35	-84.26	-76.66	-76.79	-81.79	1536.50			6.16	6.03	
1.54E+06	-81.57	-80.93	-82.55	-77.30	-78.33	-81.60	1541.00					
1.55E+06	-63.27	-63.35	-64.49	-59.94	-60.16	-64.44	1545.50					
1.55E+06	-66.63	-66.85	-67.74	-63.93	-63.69	-67.83	1550.00					
1.55E+06	-86.56	-84.10	-87.87	-83.65	-83.08	-85.57	1554.50					
1.56E+06	-81.25	-78.67	-81.41	-77.35	-76.82	-79.90	1559.00					
1.56E+06	-85.12	-82.84	-86.67	-79.68	-81.17	-82.40	1563.50					
1.57E+06	-87.46	-85.77	-88.64	-84.37	-86.45	-87.00	1568.00					
1.57E+06	-88.06	-83.56	-87.34	-76.80	-80.76	-82.07	1572.50			11.25	7.29	
1.58E+06	-77.58	-72.14	-75.45	-62.63	-65.28	-67.43	1577.00			14.95	12.31	10.15
1.58E+06	-90.40	-84.57	-88.83	-76.68	-80.32	-82.31	1581.50			13.72	10.09	8.10
1.59E+06	-92.25	-81.76	-91.88	-85.67	-83.24	-89.70	1586.00	10.49		6.58	9.01	
1.59E+06	-92.30	-86.16	-91.38	-81.60	-84.00	-85.66	1590.50	6.13		10.70	8.29	6.64
1.60E+06	-82.93	-80.67	-85.82	-79.17	-82.74	-82.68	1595.00					

200 KHz-2 MHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011

		Ambient Scan	1st tower section on	1st section up, 2nd	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in	Comparison					
			gnd, crane connected	on ground, crane connected		the horizontal position. All construction machinery has been removed. Area quiet.		14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
6-Jan-11			14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Minus the Ambient scan				
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Freq KHz Enter Limit >	dBm	dBm	dBm	dBm	dBm
								6.00	6.00	6.00	6.00	6.00
1.60E+06	-83.61	-78.76	-84.52	-78.48	-81.04	-82.04	1599.50					
1.60E+06	-98.56	-94.57	-97.71	-95.70	-97.10	-96.30	1604.00					
1.61E+06	-92.64	-90.41	-94.12	-90.38	-92.37	-92.18	1608.50					
1.61E+06	-92.66	-92.15	-96.15	-94.17	-95.41	-95.04	1613.00					
1.62E+06	-91.06	-93.24	-92.18	-86.65	-92.17	-93.43	1617.50					
1.62E+06	-84.94	-85.22	-86.66	-86.75	-86.66	-85.94	1622.00					
1.63E+06	-91.74	-89.21	-93.05	-88.52	-92.59	-92.58	1626.50					
1.63E+06	-99.70	-96.79	-99.25	-97.60	-99.59	-99.58	1631.00					
1.64E+06	-99.69	-97.09	-99.33	-92.83	-99.48	-97.94	1635.50			6.86		
1.64E+06	-97.95	-94.52	-97.35	-94.73	-96.63	-97.37	1640.00					
1.64E+06	-95.71	-82.53	-93.86	-92.35	-86.95	-95.51	1644.50	13.18			8.75	
1.65E+06	-84.85	-77.40	-86.99	-85.79	-81.34	-86.58	1649.00	7.45				
1.65E+06	-94.41	-91.78	-94.25	-93.04	-93.47	-94.58	1653.50					
1.66E+06	-92.29	-87.17	-96.23	-83.23	-91.16	-94.21	1658.00			9.06		
1.66E+06	-88.55	-85.00	-90.44	-92.45	-91.23	-94.32	1662.50					
1.67E+06	-96.43	-92.68	-93.81	-90.37	-94.30	-94.51	1667.00			6.07		
1.67E+06	-93.21	-92.58	-92.71	-92.68	-94.00	-91.87	1671.50					
1.68E+06	-82.31	-83.40	-84.84	-83.90	-84.60	-83.53	1676.00					
1.68E+06	-94.79	-94.23	-96.62	-95.15	-96.45	-94.31	1680.50					
1.69E+06	-96.98	-97.06	-98.22	-86.96	-96.06	-96.21	1685.00			10.01		
1.69E+06	-97.75	-97.44	-98.49	-85.27	-95.98	-96.42	1689.50			12.47		
1.69E+06	-96.03	-93.66	-95.73	-94.37	-96.01	-94.94	1694.00					
1.70E+06	-91.63	-86.89	-91.05	-86.74	-89.52	-94.77	1698.50					
1.70E+06	-82.61	-84.13	-85.02	-84.17	-85.15	-83.94	1703.00					

200 KHz-2 MHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011

		Ambient Scan	1st tower section on	1st section up, 2nd	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.	Comparison					
			gnd, crane connected	on ground, crane connected				14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq KHz	Minus the Ambient scan				
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	dBm	dBm	dBm	dBm	dBm
1.71E+06	-96.75	-95.34	-96.45	-96.17	-97.72	-96.09	1707.50	6.00	6.00	6.00	6.00	6.00
1.71E+06	-95.71	-91.30	-94.00	-94.08	-93.65	-94.80	1712.00					
1.72E+06	-91.10	-89.24	-94.11	-97.52	-98.08	-98.85	1716.50			-6.42	-6.98	-7.74
1.72E+06	-95.83	-93.80	-93.51	-93.42	-95.86	-92.74	1721.00					
1.73E+06	-94.25	-92.29	-91.43	-89.89	-94.72	-91.06	1725.50					
1.73E+06	-81.05	-81.37	-83.07	-82.57	-82.82	-82.32	1730.00					
1.73E+06	-97.45	-95.54	-98.18	-97.72	-91.96	-96.86	1734.50					
1.74E+06	-96.44	-95.93	-96.68	-97.95	-98.79	-96.18	1739.00					
1.74E+06	-92.99	-92.40	-95.93	-97.59	-99.67	-97.69	1743.50				-6.68	
1.75E+06	-92.25	-84.12	-88.71	-95.07	-96.53	-94.66	1748.00	8.13				
1.75E+06	-91.97	-77.63	-83.75	-90.94	-93.16	-92.65	1752.50	14.34	8.23			
1.76E+06	-80.67	-80.93	-82.56	-82.74	-83.33	-81.97	1757.00					
1.76E+06	-97.67	-93.68	-95.58	-96.53	-96.55	-95.78	1761.50					
1.77E+06	-88.80	-85.57	-87.83	-88.96	-89.21	-91.37	1766.00					
1.77E+06	-86.01	-96.57	-97.64	-98.31	-99.26	-96.56	1770.50	-10.56	-11.63	-12.29	-13.24	-10.55
1.78E+06	-94.20	-95.11	-92.00	-90.93	-95.81	-91.54	1775.00					
1.78E+06	-91.50	-91.82	-91.08	-89.32	-93.64	-91.55	1779.50					
1.78E+06	-79.68	-79.59	-80.26	-81.31	-82.25	-81.10	1784.00					
1.79E+06	-98.58	-93.97	-95.34	-97.77	-97.78	-97.09	1788.50					
1.79E+06	-95.10	-94.65	-96.67	-96.01	-97.23	-94.48	1793.00					
1.80E+06	-100.20	-97.29	-98.49	-97.83	-99.38	-97.84	1797.50					
1.80E+06	-94.33	-95.56	-95.38	-95.86	-96.86	-95.29	1802.00					
1.81E+06	-90.50	-91.18	-92.61	-91.61	-92.69	-91.66	1806.50					
1.81E+06	-79.92	-81.50	-82.63	-82.76	-82.91	-81.59	1811.00					

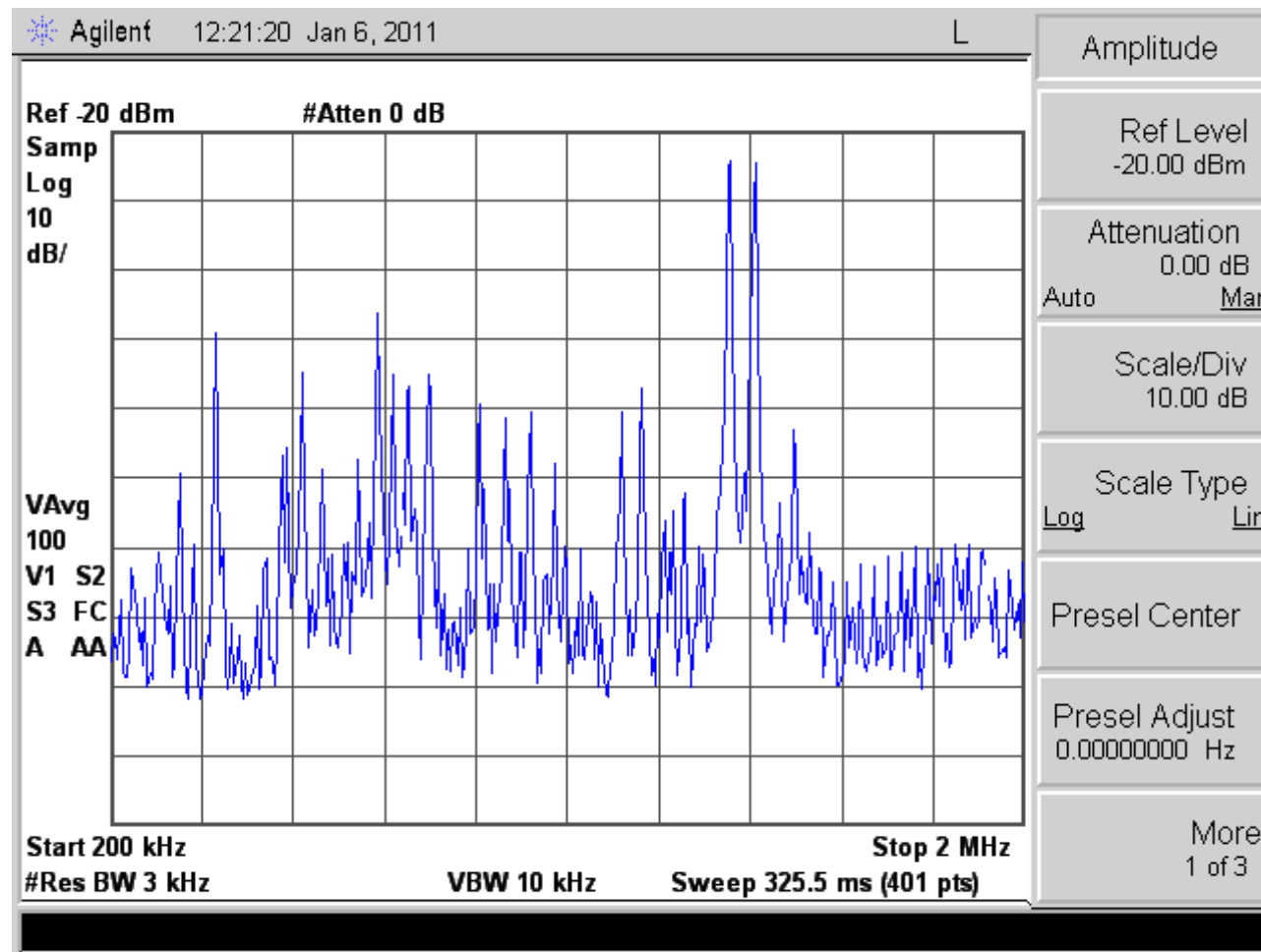
200 KHz-2 MHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011

		Ambient Scan	1st tower section on	1st section up, 2nd	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.	Comparison					
			gnd, crane connected	on ground, crane connected				14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq KHz	Minus the Ambient scan				
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	dBm	dBm	dBm	dBm	dBm
1.82E+06	-93.81	-90.57	-91.34	-91.89	-90.94	-92.62	1815.50	6.00	6.00	6.00	6.00	6.00
1.82E+06	-86.82	-84.41	-88.15	-91.18	-91.89	-92.89	1820.00					-6.06
1.82E+06	-87.36	-89.97	-89.68	-90.42	-92.28	-91.83	1824.50					
1.83E+06	-82.42	-84.84	-83.71	-84.18	-86.96	-86.39	1829.00					
1.83E+06	-88.33	-85.84	-86.61	-88.85	-91.26	-90.05	1833.50					
1.84E+06	-79.95	-81.22	-81.89	-82.21	-82.64	-82.02	1838.00					
1.84E+06	-96.27	-91.97	-91.95	-90.38	-91.46	-93.40	1842.50					
1.85E+06	-92.32	-93.97	-95.05	-95.26	-95.47	-94.28	1847.00					
1.85E+06	-97.18	-96.92	-96.92	-97.77	-96.90	-95.47	1851.50					
1.86E+06	-96.22	-95.89	-96.11	-95.37	-96.25	-94.23	1856.00					
1.86E+06	-85.53	-87.78	-89.57	-89.21	-90.30	-88.88	1860.50					
1.87E+06	-79.43	-82.24	-84.10	-83.31	-83.40	-82.34	1865.00					
1.87E+06	-86.23	-81.55	-83.05	-84.19	-83.64	-86.25	1869.50					
1.87E+06	-88.99	-88.84	-91.46	-91.02	-93.79	-93.21	1874.00					
1.88E+06	-83.08	-84.11	-84.58	-84.17	-88.38	-88.93	1878.50					
1.88E+06	-93.10	-91.68	-92.32	-91.90	-94.22	-90.15	1883.00					
1.89E+06	-83.10	-84.58	-87.73	-86.45	-87.03	-86.32	1887.50					
1.89E+06	-79.44	-82.65	-84.67	-84.83	-84.27	-83.83	1892.00					
1.90E+06	-92.75	-94.38	-95.72	-98.23	-96.51	-94.49	1896.50					
1.90E+06	-90.04	-92.61	-94.90	-94.93	-94.29	-92.21	1901.00					
1.91E+06	-91.47	-93.48	-95.45	-95.24	-96.63	-92.62	1905.50					
1.91E+06	-90.32	-94.57	-96.00	-96.61	-95.56	-93.07	1910.00			-6.28		
1.91E+06	-80.60	-84.27	-86.62	-86.31	-86.21	-84.86	1914.50		-6.02			
1.92E+06	-80.15	-83.65	-85.56	-86.20	-85.02	-85.12	1919.00			-6.05		

200 KHz-2 MHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011

		Ambient Scan	1st tower section on	1st section up, 2nd	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.	Comparison					
			gnd, crane connected	on ground, crane connected				14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq KHz	Minus the Ambient scan				
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	dBm	dBm	dBm	dBm	dBm
1.92E+06	-82.61	-79.40	-82.17	-84.50	-85.50	-89.35	1923.50	6.00	6.00	6.00	6.00	6.00
1.93E+06	-86.98	-93.02	-95.84	-97.72	-96.06	-95.15	1928.00	-6.04	-8.85	-10.73	-9.07	-8.17
1.93E+06	-88.37	-94.07	-95.88	-95.53	-96.88	-93.97	1932.50		-7.51	-7.16	-8.51	
1.94E+06	-93.29	-95.28	-94.60	-93.54	-96.58	-92.37	1937.00					
1.94E+06	-84.32	-82.55	-85.24	-85.29	-84.92	-84.66	1941.50					
1.95E+06	-87.44	-85.46	-88.15	-88.32	-88.23	-87.69	1946.00					
1.95E+06	-95.62	-94.73	-97.52	-97.99	-97.46	-95.58	1950.50					
1.96E+06	-95.09	-93.85	-95.55	-95.70	-96.27	-95.06	1955.00					
1.96E+06	-94.26	-93.30	-94.83	-95.10	-94.27	-93.77	1959.50					
1.96E+06	-95.59	-92.00	-95.79	-96.37	-96.38	-95.20	1964.00					
1.97E+06	-83.14	-80.97	-83.74	-83.34	-83.44	-82.50	1968.50					
1.97E+06	-85.45	-83.67	-84.37	-84.49	-83.07	-85.14	1973.00					
1.98E+06	-88.45	-88.73	-93.32	-95.62	-93.94	-95.81	1977.50			-7.17		-7.36
1.98E+06	-91.78	-93.81	-96.96	-98.25	-96.94	-95.94	1982.00			-6.47		
1.99E+06	-88.07	-92.43	-94.58	-94.03	-94.88	-92.42	1986.50		-6.52		-6.81	
1.99E+06	-92.87	-93.27	-94.52	-94.75	-95.48	-94.64	1991.00					
2.00E+06	-82.04	-79.90	-83.09	-82.54	-82.32	-81.92	1995.50					
2.00E+06	-90.80	-85.15	-89.48	-91.21	-91.11	-90.61	2000.00					
Sum of column								288.52	-203.35	276.87	-52.61	-24.59

Attenuation (dB)
 0
 Center Frequency (Hz)
 1100000
 Date/Time
 1/6/2011 12:21
 Instrument Model
 E4407B
 Instrument Serial Number
 MY45116875
 Reference Level (dBm)
 -20
 Resolution BW (Hz)
 3000
 Scale Type
 LOG



Span Frequency (Hz)
1800000

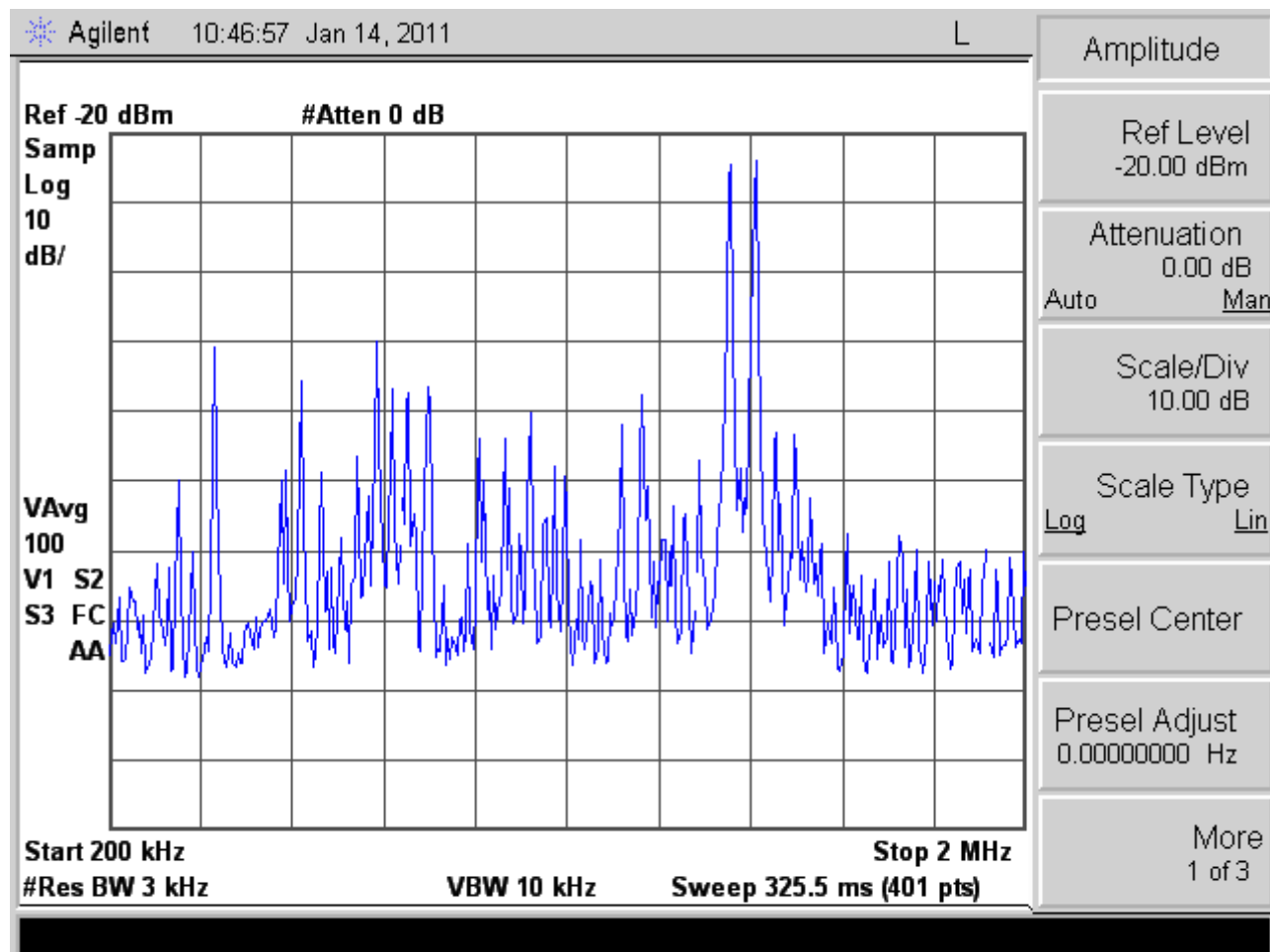
Start Frequency (Hz)
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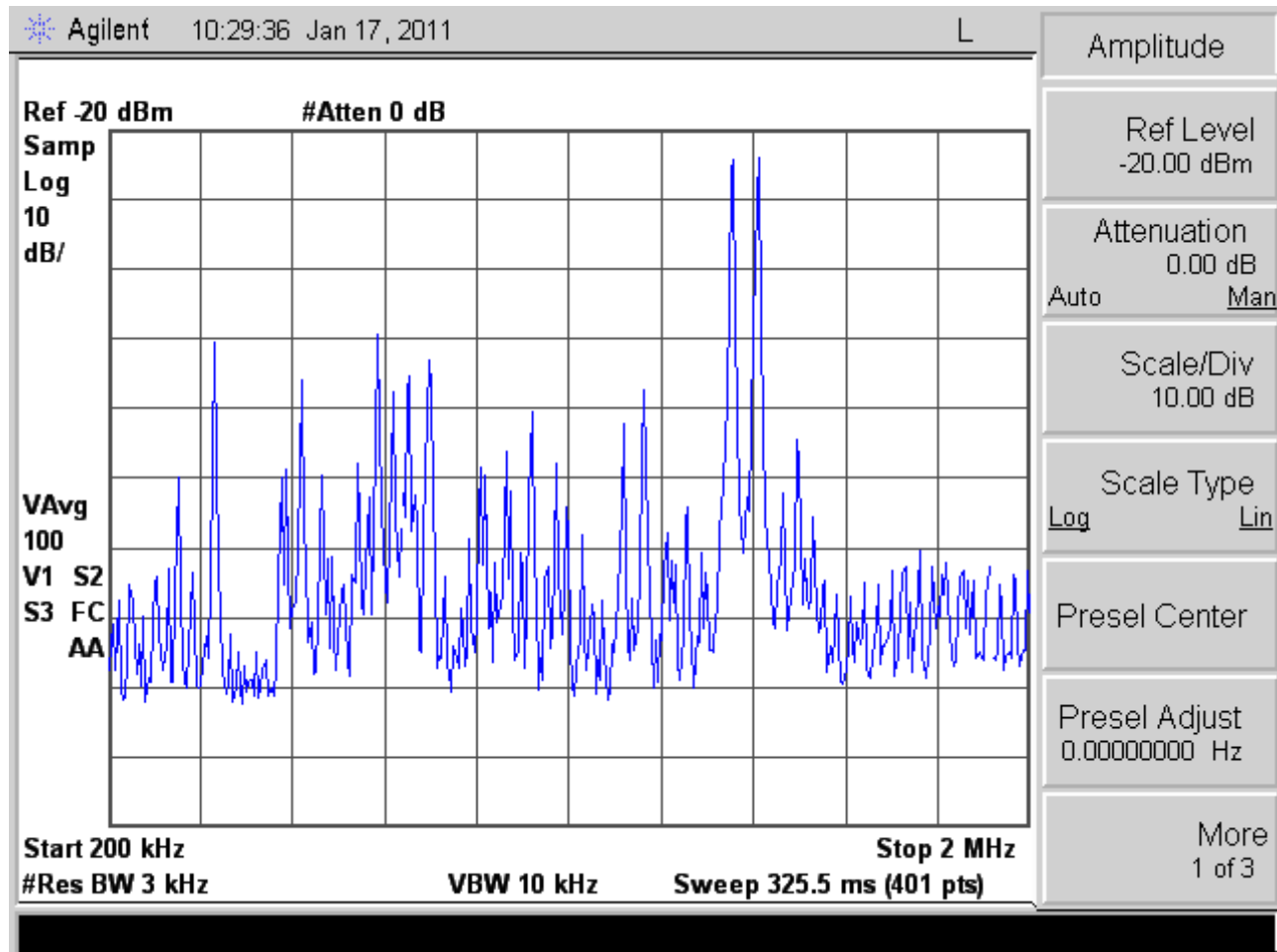
Stop Frequency (Hz)
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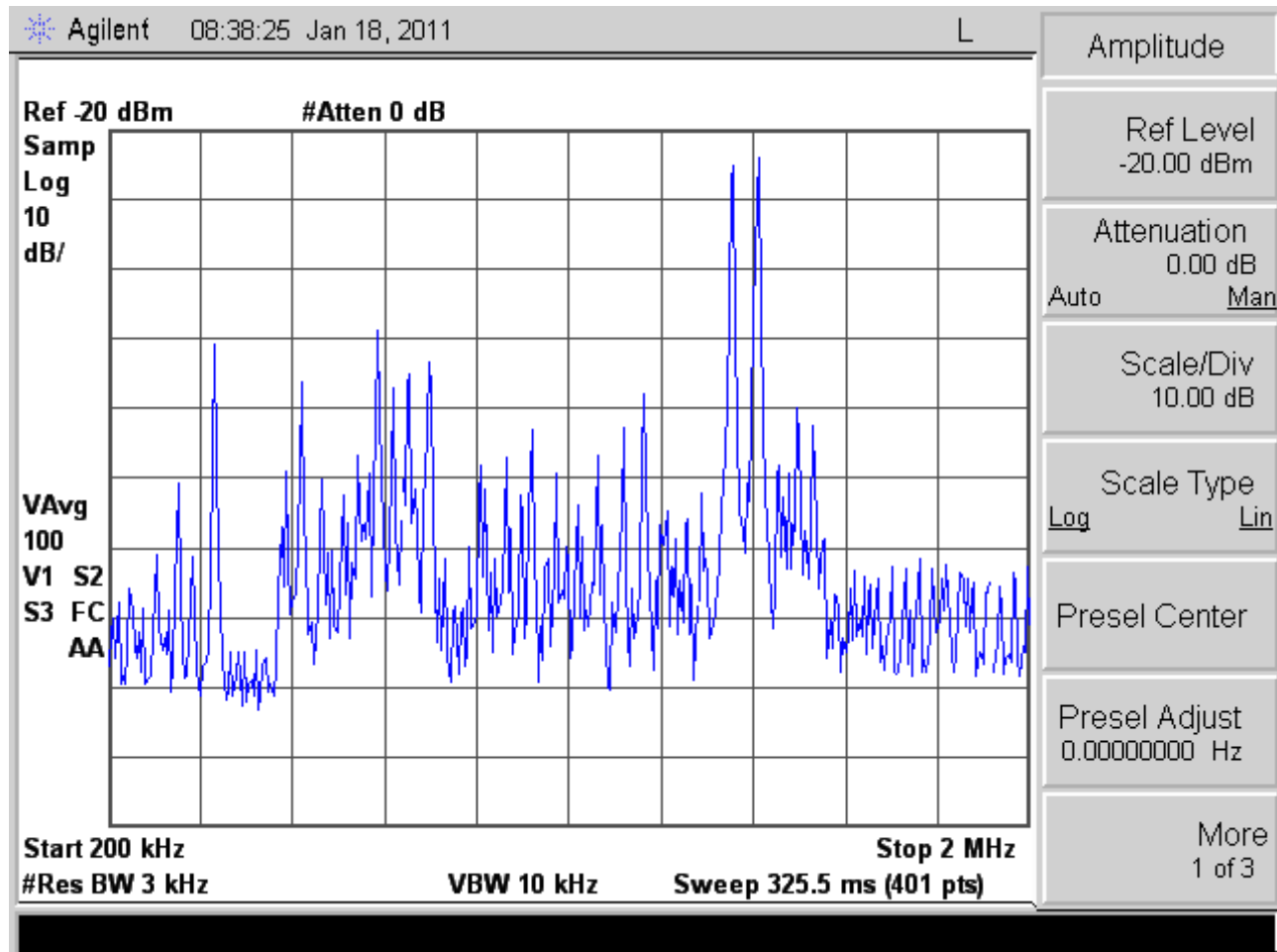
Sweep Number Of Points
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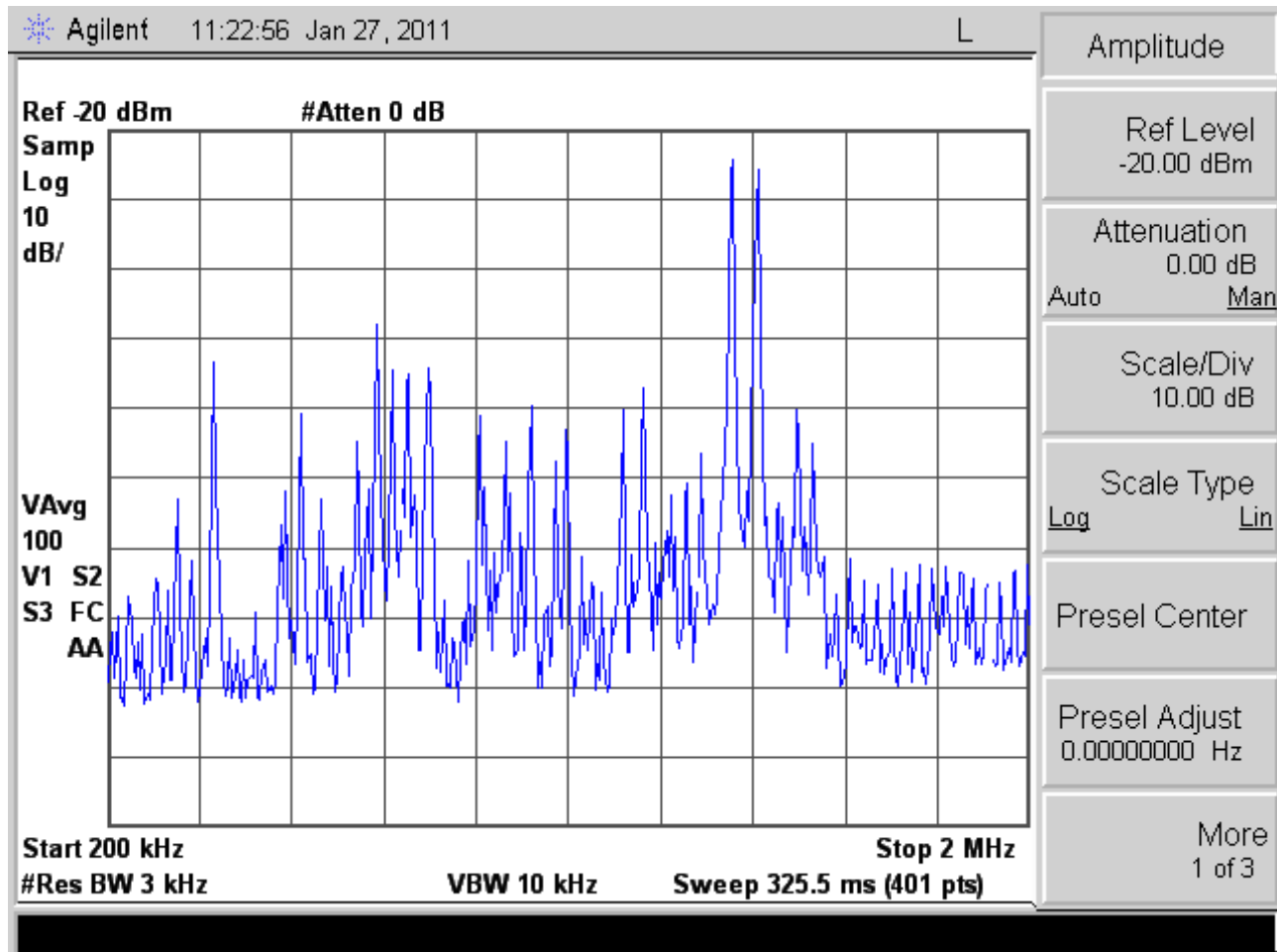
Sweep Time (seconds)
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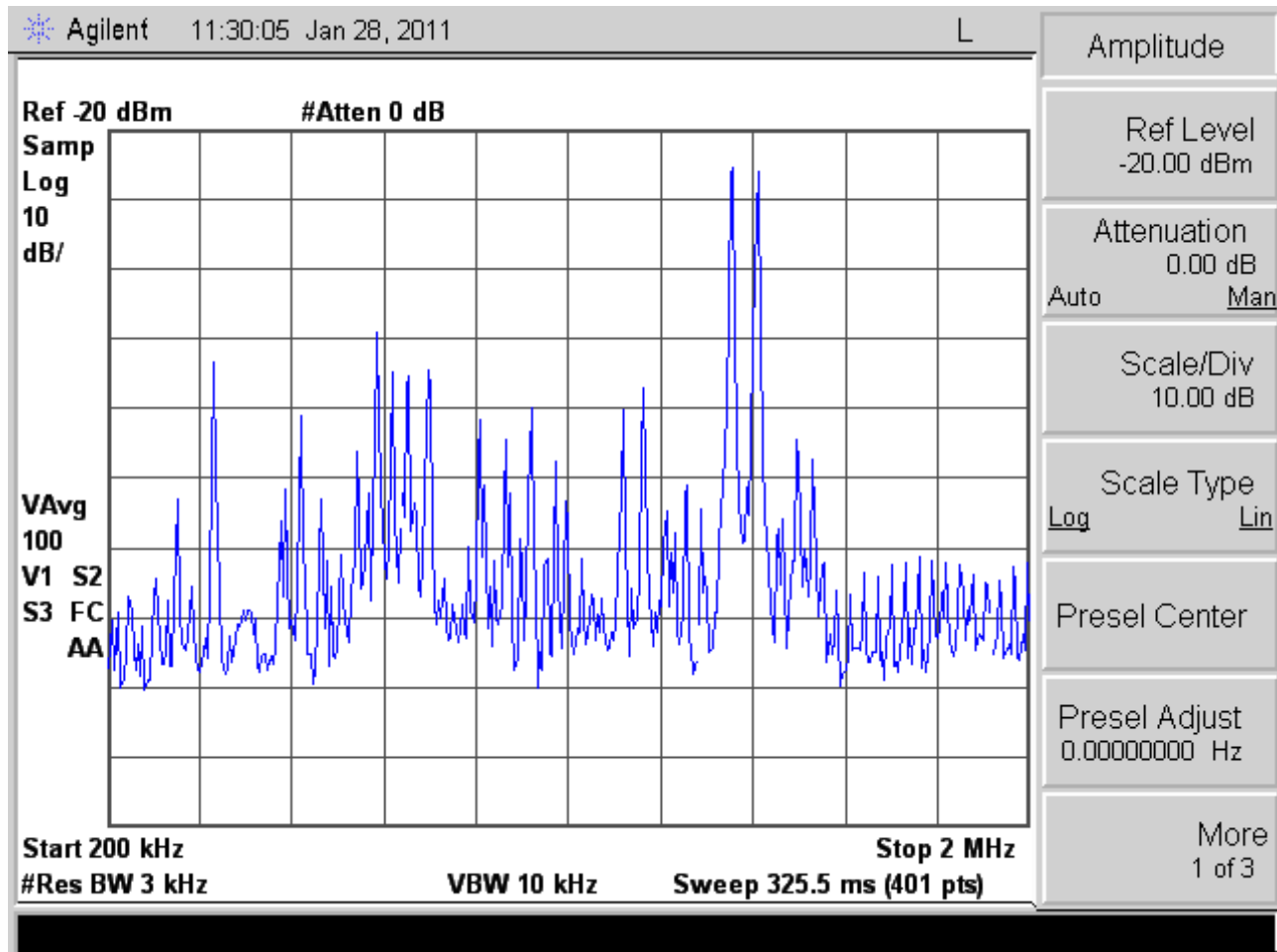
Video BW (Hz)
10000











2-30 MHz Wind Turbine Construction Phase from 6-Jan-2011 to 28-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.		Comparison					
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq MHz	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	Minus the Ambient scan				
								dBm	dBm	dBm	dBm	dBm
2.00E+06	-77.92	-84.60	-84.15	-85.53	-84.18	-85.36	2.00	6.00	6.00	6.00	6.00	6.00
2.07E+06	-78.25	-80.34	-80.98	-80.66	-79.33	-78.94	2.07	-6.68	-6.23	-7.61	-6.26	-7.44
2.14E+06	-83.20	-84.16	-84.98	-84.90	-82.69	-83.87	2.14					
2.21E+06	-75.37	-80.15	-78.25	-79.67	-75.26	-79.54	2.21					
2.28E+06	-79.09	-80.18	-80.96	-81.05	-78.78	-79.82	2.28					
2.35E+06	-82.17	-81.42	-82.86	-83.72	-81.59	-82.20	2.35					
2.42E+06	-73.49	-75.99	-76.15	-76.56	-73.49	-74.66	2.42					
2.49E+06	-79.17	-80.52	-82.17	-82.65	-78.42	-81.47	2.49					
2.56E+06	-79.89	-79.55	-80.28	-80.80	-77.23	-80.50	2.56					
2.63E+06	-68.16	-72.10	-72.57	-73.01	-68.61	-71.54	2.63					
2.70E+06	-74.12	-78.76	-79.62	-81.32	-73.17	-78.08	2.70			-7.20		
2.77E+06	-73.45	-75.46	-78.21	-79.50	-72.68	-76.87	2.77			-6.04		
2.84E+06	-62.78	-65.20	-66.38	-68.37	-62.08	-66.44	2.84					
2.91E+06	-64.20	-63.26	-64.47	-64.13	-65.30	-68.01	2.91					
2.98E+06	-65.17	-70.23	-69.82	-72.22	-66.87	-69.81	2.98			-7.04		
3.05E+06	-64.88	-68.63	-65.53	-65.05	-64.92	-62.59	3.05					
3.12E+06	-71.71	-74.27	-68.73	-66.01	-71.83	-65.80	3.12					
3.19E+06	-72.72	-76.17	-70.42	-67.12	-74.03	-69.55	3.19					
3.26E+06	-74.41	-78.42	-71.90	-68.00	-74.67	-68.95	3.26			6.41		
3.33E+06	-73.75	-76.52	-71.36	-68.04	-72.79	-69.04	3.33					
3.40E+06	-77.81	-78.82	-77.48	-75.00	-79.54	-76.10	3.40					
3.47E+06	-76.97	-82.24	-77.39	-75.40	-76.73	-75.13	3.47					
3.54E+06	-72.97	-75.89	-72.19	-69.80	-73.54	-69.00	3.54					
3.61E+06	-80.75	-83.78	-81.02	-80.32	-81.99	-80.76	3.61					
3.68E+06	-81.56	-84.19	-80.70	-79.36	-81.94	-79.39	3.68					

2-30 MHz Wind Turbine Construction Phase from 6-Jan-2011 to 28-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.			Comparison				
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq MHz	14-Jan Minus the Ambient scan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	dBm	dBm	dBm	dBm	dBm
3.75E+06	-73.95	-76.70	-74.09	-72.52	-73.78	-71.45	3.75	6.00	6.00	6.00	6.00	6.00
3.82E+06	-82.32	-84.09	-82.43	-81.16	-82.55	-80.31	3.82					
3.89E+06	-84.03	-85.78	-83.82	-82.47	-83.51	-81.45	3.89					
3.96E+06	-76.43	-79.25	-77.37	-76.44	-76.32	-75.27	3.96					
4.03E+06	-76.74	-87.34	-85.96	-83.25	-84.68	-82.74	4.03	10.60	-9.21	-6.50	-7.94	
4.10E+06	-85.05	-88.60	-86.43	-84.79	-85.74	-84.12	4.10					
4.17E+06	-80.10	-83.82	-81.02	-80.50	-80.90	-78.47	4.17					
4.24E+06	-82.93	-87.48	-84.68	-85.25	-82.58	-83.40	4.24					
4.31E+06	-86.07	-87.08	-86.04	-81.42	-85.39	-85.89	4.31					
4.38E+06	-84.08	-86.05	-85.03	-84.62	-84.55	-82.74	4.38					
4.45E+06	-84.66	-86.79	-84.89	-84.15	-85.39	-82.75	4.45					
4.52E+06	-85.05	-88.72	-87.46	-86.12	-87.57	-86.14	4.52					
4.59E+06	-84.95	-87.68	-86.77	-84.53	-86.29	-84.70	4.59					
4.66E+06	-82.88	-84.39	-82.88	-81.34	-82.96	-80.75	4.66					
4.73E+06	-81.24	-87.65	-83.18	-85.18	-79.97	-84.03	4.73	-6.41				
4.80E+06	-85.72	-88.92	-87.95	-87.19	-86.56	-85.17	4.80					
4.87E+06	-84.06	-85.17	-83.53	-83.76	-83.54	-80.79	4.87					
4.94E+06	-83.83	-88.33	-86.32	-86.00	-88.41	-85.81	4.94					
5.01E+06	-86.43	-86.98	-86.82	-85.39	-85.76	-84.39	5.01					
5.08E+06	-86.20	-86.48	-85.55	-85.90	-85.00	-83.40	5.08					
5.15E+06	-86.53	-87.50	-87.45	-85.92	-86.45	-86.60	5.15					
5.22E+06	-81.05	-85.55	-84.13	-84.98	-80.61	-85.27	5.22					
5.29E+06	-84.40	-88.59	-87.34	-86.88	-86.70	-86.17	5.29					
5.36E+06	-88.76	-88.71	-88.21	-86.98	-88.32	-86.67	5.36					
5.43E+06	-84.86	-84.61	-84.71	-84.21	-83.95	-84.64	5.43					
5.50E+06	-88.08	-87.22	-88.21	-86.41	-86.63	-87.10	5.50					

2-30 MHz Wind Turbine Construction Phase from 6-Jan-2011 to 28-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.		Comparison					
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq MHz	14-Jan Minus the Ambient scan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	dBm	dBm	dBm	dBm	dBm
5.57E+06	-87.39	-87.45	-87.60	-86.98	-86.85	-85.21	5.57	6.00	6.00	6.00	6.00	6.00
5.64E+06	-82.18	-83.85	-84.34	-83.55	-84.11	-84.62	5.64					
5.71E+06	-82.19	-86.75	-83.72	-84.90	-83.60	-87.10	5.71					
5.78E+06	-85.04	-85.25	-85.39	-84.58	-85.03	-85.37	5.78					
5.85E+06	-83.86	-84.16	-85.17	-84.60	-85.03	-85.89	5.85					
5.92E+06	-85.04	-85.52	-86.13	-85.34	-85.43	-85.99	5.92					
5.99E+06	-83.34	-84.65	-85.25	-77.04	-83.85	-84.53	5.99			6.30		
6.06E+06	-85.11	-85.83	-84.85	-83.40	-85.22	-85.50	6.06					
6.13E+06	-85.46	-85.96	-85.80	-83.03	-85.55	-86.79	6.13					
6.20E+06	-82.38	-85.35	-85.05	-84.86	-84.41	-85.38	6.20					
6.27E+06	-82.80	-84.76	-84.38	-83.67	-83.51	-84.99	6.27					
6.34E+06	-81.18	-82.43	-83.04	-82.29	-82.21	-83.29	6.34					
6.41E+06	-80.71	-83.50	-85.01	-83.66	-83.39	-84.72	6.41					
6.48E+06	-78.74	-82.73	-81.72	-83.13	-80.08	-84.39	6.48					
6.55E+06	-77.53	-80.14	-80.99	-80.06	-79.13	-80.71	6.55					
6.62E+06	-79.68	-82.56	-83.00	-82.45	-81.27	-81.97	6.62					
6.69E+06	-79.60	-81.90	-82.42	-82.04	-79.74	-83.13	6.69					
6.76E+06	-76.61	-79.78	-80.68	-80.38	-78.51	-80.38	6.76					
6.83E+06	-78.24	-82.01	-83.11	-81.05	-80.46	-82.94	6.83					
6.90E+06	-78.53	-82.29	-83.42	-83.16	-81.06	-83.42	6.90					
6.97E+06	-74.98	-80.87	-81.10	-81.19	-78.51	-81.35	6.97	-6.12	-6.22			-6.37
7.04E+06	-79.12	-81.36	-83.83	-82.36	-78.59	-82.42	7.04					
7.11E+06	-78.97	-83.83	-80.81	-81.71	-81.47	-84.07	7.11					
7.18E+06	-78.00	-78.11	-81.47	-82.08	-79.69	-83.27	7.18					
7.25E+06	-76.58	-81.64	-82.37	-78.88	-79.11	-82.68	7.25					-6.10
7.32E+06	-75.08	-81.56	-82.53	-79.31	-80.04	-82.15	7.32	-6.48	-7.45			-7.07

2-30 MHz Wind Turbine Construction Phase from 6-Jan-2011 to 28-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.		Comparison					
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq MHz	14-Jan Minus the Ambient scan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	dBm	dBm	dBm	dBm	dBm
7.39E+06	-75.90	-79.06	-81.00	-76.71	-77.79	-80.45	7.39	6.00	6.00	6.00	6.00	6.00
7.46E+06	-74.18	-77.91	-79.43	-78.27	-76.14	-78.51	7.46					
7.53E+06	-75.42	-78.22	-79.75	-77.60	-74.93	-79.11	7.53					
7.60E+06	-74.29	-77.29	-77.94	-77.17	-73.75	-77.32	7.60					
7.67E+06	-73.10	-75.82	-76.54	-75.09	-72.93	-76.44	7.67					
7.74E+06	-71.01	-75.96	-74.47	-74.88	-70.53	-77.90	7.74					-6.89
7.81E+06	-74.54	-76.71	-77.42	-75.80	-73.53	-76.57	7.81					
7.88E+06	-74.78	-76.92	-77.76	-75.24	-72.88	-76.54	7.88					
7.95E+06	-74.69	-77.59	-77.99	-76.02	-73.68	-77.00	7.95					
8.02E+06	-76.64	-79.42	-78.64	-76.28	-74.47	-77.38	8.02					
8.09E+06	-75.23	-79.58	-79.25	-76.35	-75.85	-78.14	8.09					
8.16E+06	-79.51	-80.21	-79.42	-77.50	-76.32	-78.89	8.16					
8.23E+06	-74.85	-79.81	-76.66	-77.96	-72.18	-78.76	8.23					
8.30E+06	-81.32	-82.41	-80.85	-77.73	-79.00	-79.76	8.30					
8.37E+06	-81.83	-81.45	-80.98	-77.67	-78.76	-79.68	8.37					
8.44E+06	-80.69	-81.99	-81.61	-78.54	-78.53	-79.29	8.44					
8.51E+06	-80.93	-80.40	-80.83	-77.78	-77.45	-77.93	8.51					
8.58E+06	-82.00	-81.78	-81.00	-76.33	-79.59	-78.40	8.58					
8.65E+06	-73.85	-76.26	-78.93	-60.28	-76.25	-74.91	8.65			13.57		
8.72E+06	-78.90	-80.46	-78.16	-76.32	-74.97	-78.53	8.72					
8.79E+06	-83.40	-81.66	-81.35	-78.16	-79.58	-79.97	8.79					
8.86E+06	-81.92	-81.38	-80.54	-78.18	-78.50	-79.01	8.86					
8.93E+06	-83.01	-81.66	-81.57	-77.86	-78.80	-79.96	8.93					
9.00E+06	-83.92	-82.36	-82.15	-79.37	-80.80	-81.18	9.00					
9.07E+06	-83.85	-81.54	-82.30	-79.17	-80.14	-81.11	9.07					
9.14E+06	-85.62	-83.33	-83.45	-80.84	-81.60	-81.79	9.14					

2-30 MHz Wind Turbine Construction Phase from 6-Jan-2011 to 28-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.		Comparison					
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq MHz	14-Jan Minus the Ambient scan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	dBm	dBm	dBm	dBm	dBm
9.21E+06	-86.15	-84.46	-83.67	-79.11	-81.87	-82.30	9.21	6.00	6.00	6.00	6.00	6.00
9.28E+06	-84.06	-82.44	-82.09	-79.16	-81.83	-81.83	9.28			7.04		
9.35E+06	-73.03	-73.33	-77.99	-69.26	-71.59	-70.43	9.35					
9.42E+06	-80.72	-81.64	-82.14	-76.77	-76.55	-78.63	9.42					
9.49E+06	-83.61	-84.45	-83.26	-77.67	-80.66	-83.44	9.49					
9.56E+06	-79.58	-82.21	-84.05	-75.66	-80.77	-79.99	9.56					
9.63E+06	-85.04	-84.04	-84.19	-73.91	-82.79	-83.27	9.63			11.12		
9.70E+06	-85.01	-85.41	-84.52	-80.99	-83.77	-84.49	9.70					
9.77E+06	-68.11	-72.92	-81.35	-79.26	-71.66	-71.66	9.77		-13.25	-11.16		
9.84E+06	-87.01	-84.64	-84.24	-82.85	-82.79	-84.04	9.84					
9.91E+06	-86.10	-84.88	-85.61	-83.15	-80.41	-83.05	9.91					
9.98E+06	-78.43	-78.13	-80.86	-79.24	-76.74	-75.20	9.98					
1.01E+07	-85.53	-84.51	-84.01	-83.47	-82.88	-79.05	10.05					6.47
1.01E+07	-86.40	-86.44	-86.48	-85.00	-85.17	-87.93	10.12					
1.02E+07	-87.18	-85.91	-85.03	-83.95	-85.00	-85.97	10.19					
1.03E+07	-88.39	-86.70	-86.38	-84.48	-85.17	-87.41	10.26					
1.03E+07	-87.44	-85.71	-85.89	-82.62	-84.89	-85.87	10.33					
1.04E+07	-75.93	-67.56	-76.41	-69.93	-67.08	-67.15	10.40	8.37			8.85	8.78
1.05E+07	-86.31	-87.02	-86.21	-84.98	-85.19	-87.47	10.47					
1.05E+07	-86.07	-85.10	-85.85	-84.37	-83.93	-85.80	10.54					
1.06E+07	-87.79	-86.22	-85.38	-85.02	-84.72	-86.33	10.61					
1.07E+07	-87.82	-87.89	-87.20	-87.82	-86.67	-88.70	10.68					
1.08E+07	-84.90	-85.85	-84.83	-86.22	-83.34	-86.58	10.75					
1.08E+07	-87.06	-87.54	-87.15	-86.45	-85.49	-87.52	10.82					
1.09E+07	-85.37	-88.74	-87.82	-86.89	-87.46	-89.55	10.89					
1.10E+07	-87.16	-86.85	-87.46	-87.24	-86.08	-87.76	10.96					

2-30 MHz Wind Turbine Construction Phase from 6-Jan-2011 to 28-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.			Comparison				
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq MHz	14-Jan Minus the Ambient scan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	dBm	dBm	dBm	dBm	dBm
1.10E+07	-87.53	-87.94	-88.29	-87.36	-86.41	-89.16	11.03	6.00	6.00	6.00	6.00	6.00
1.11E+07	-85.76	-88.00	-87.22	-89.11	-88.11	-91.12	11.10					
1.12E+07	-86.94	-88.24	-88.46	-88.11	-86.97	-89.27	11.17					
1.12E+07	-81.91	-87.42	-85.05	-87.39	-82.36	-88.34	11.24					-6.43
1.13E+07	-84.25	-87.40	-86.69	-87.60	-87.02	-89.23	11.31					
1.14E+07	-85.69	-86.92	-87.57	-88.08	-86.66	-87.38	11.38					
1.15E+07	-85.36	-85.54	-85.88	-85.70	-85.32	-88.01	11.45					
1.15E+07	-83.17	-83.82	-82.03	-69.68	-84.47	-85.92	11.52			13.49		
1.16E+07	-83.14	-87.56	-87.25	-87.47	-87.17	-89.14	11.59					-6.00
1.17E+07	-80.73	-77.81	-80.98	-80.56	-79.16	-78.81	11.66					
1.17E+07	-77.28	-78.53	-81.87	-77.15	-79.47	-77.38	11.73					
1.18E+07	-84.63	-87.38	-87.24	-65.15	-87.43	-89.88	11.80			19.48		
1.19E+07	-82.52	-83.68	-82.67	-83.44	-82.47	-85.43	11.87					
1.19E+07	-80.49	-83.86	-84.21	-82.04	-83.67	-87.43	11.94					-6.94
1.20E+07	-73.53	-74.94	-81.14	-79.28	-78.79	-72.84	12.01		-7.61			
1.21E+07	-80.15	-84.04	-82.13	-82.54	-81.99	-85.10	12.08					
1.22E+07	-79.20	-84.96	-83.88	-84.31	-82.45	-85.28	12.15					-6.08
1.22E+07	-82.19	-88.86	-86.01	-86.34	-86.45	-90.02	12.22	-6.67				-7.83
1.23E+07	-79.94	-85.08	-80.96	-81.78	-83.21	-89.37	12.29					-9.43
1.24E+07	-80.54	-86.69	-86.64	-85.80	-85.52	-88.68	12.36	-6.15	-6.10			-8.14
1.24E+07	-80.18	-87.22	-87.61	-84.46	-86.37	-88.24	12.43	-7.04	-7.44		-6.20	-8.06
1.25E+07	-77.89	-84.44	-81.46	-82.14	-83.15	-88.61	12.50	-6.54				-10.72
1.26E+07	-80.67	-85.55	-87.01	-83.93	-84.38	-88.27	12.57		-6.34			-7.60
1.26E+07	-81.53	-84.87	-86.69	-83.63	-83.18	-87.69	12.64					-6.15
1.27E+07	-80.10	-85.13	-83.68	-83.05	-84.97	-82.58	12.71					
1.28E+07	-80.40	-85.35	-86.08	-83.97	-83.49	-86.87	12.78					-6.47

2-30 MHz Wind Turbine Construction Phase from 6-Jan-2011 to 28-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.			Comparison				
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq MHz	14-Jan Minus the Ambient scan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	dBm	dBm	dBm	dBm	dBm
1.29E+07	-81.39	-84.85	-86.28	-82.43	-83.52	-87.20	12.85	6.00	6.00	6.00	6.00	6.00
1.29E+07	-80.41	-85.59	-85.18	-85.33	-86.57	-88.90	12.92				-6.16	-8.49
1.30E+07	-77.85	-83.80	-83.70	-84.72	-81.48	-86.63	12.99			-6.88		-8.79
1.31E+07	-81.88	-84.12	-85.53	-84.67	-83.25	-86.74	13.06					
1.31E+07	-80.23	-84.56	-83.71	-84.64	-85.74	-88.95	13.13					-8.72
1.32E+07	-81.52	-83.84	-86.18	-84.45	-83.50	-86.65	13.20					
1.33E+07	-81.73	-85.10	-86.66	-85.13	-83.35	-86.38	13.27					
1.33E+07	-78.93	-84.36	-86.29	-84.03	-84.58	-87.00	13.34		-7.36			-8.07
1.34E+07	-83.60	-84.75	-85.39	-83.08	-83.66	-86.21	13.41					
1.35E+07	-85.33	-86.11	-87.92	-83.72	-82.40	-86.16	13.48					
1.36E+07	-75.23	-83.14	-84.03	-83.34	-77.38	-83.55	13.55	-7.92	-8.80	-8.11		-8.32
1.36E+07	-72.64	-85.73	-86.28	-81.76	-84.01	-84.64	13.62	-13.09	-13.63	-9.11	-11.37	-11.99
1.37E+07	-86.21	-86.04	-87.86	-83.86	-82.86	-84.86	13.69					
1.38E+07	-86.03	-84.50	-87.28	-84.80	-82.63	-84.29	13.76					
1.38E+07	-78.04	-75.53	-83.84	-85.20	-85.21	-82.60	13.83			-7.16	-7.17	
1.39E+07	-89.11	-85.70	-87.10	-82.43	-82.72	-83.28	13.90			6.68	6.40	
1.40E+07	-88.00	-85.41	-88.81	-84.05	-85.99	-85.77	13.97					
1.40E+07	-83.50	-85.22	-88.31	-86.28	-84.79	-81.12	14.04					
1.41E+07	-87.02	-81.19	-82.65	-78.54	-78.00	-80.84	14.11			8.48	9.02	6.18
1.42E+07	-83.65	-84.91	-86.11	-84.80	-84.89	-84.41	14.18					
1.43E+07	-84.82	-86.49	-85.01	-83.06	-79.57	-81.32	14.25					
1.43E+07	-80.90	-77.73	-78.40	-74.39	-74.15	-78.21	14.32			6.51	6.75	
1.44E+07	-85.55	-83.56	-86.22	-84.55	-83.79	-81.74	14.39					
1.45E+07	-89.53	-87.36	-86.24	-81.70	-81.81	-79.84	14.46			7.83	7.72	9.69
1.45E+07	-80.06	-76.84	-77.70	-74.91	-75.27	-79.95	14.53					
1.46E+07	-87.12	-87.20	-88.63	-85.57	-86.24	-84.34	14.60					

2-30 MHz Wind Turbine Construction Phase from 6-Jan-2011 to 28-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.			Comparison				
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq MHz	14-Jan Minus the Ambient scan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	dBm	dBm	dBm	dBm	dBm
1.47E+07	-91.87	-88.33	-87.35	-82.70	-81.52	-80.14	14.67	6.00	6.00	6.00	6.00	6.00
1.47E+07	-82.51	-80.51	-79.63	-80.29	-78.96	-82.93	14.74					
1.48E+07	-89.90	-90.75	-91.90	-88.96	-88.00	-86.20	14.81					
1.49E+07	-91.70	-89.98	-90.21	-86.16	-84.21	-82.63	14.88				7.49	9.07
1.50E+07	-83.33	-77.78	-80.92	-82.74	-82.52	-84.90	14.95					
1.50E+07	-88.02	-91.59	-91.62	-89.62	-88.80	-86.05	15.02					
1.51E+07	-70.11	-68.13	-61.04	-55.73	-76.68	-63.17	15.09		9.06	14.37	-6.57	6.94
1.52E+07	-78.79	-78.39	-81.87	-81.95	-80.56	-84.92	15.16					-6.13
1.52E+07	-86.42	-88.13	-86.41	-86.31	-85.52	-84.58	15.23					
1.53E+07	-71.45	-73.78	-67.69	-74.10	-76.65	-75.61	15.30					
1.54E+07	-74.56	-75.00	-80.21	-81.24	-80.56	-81.30	15.37			-6.68		-6.74
1.54E+07	-85.91	-88.03	-87.31	-83.84	-82.06	-81.92	15.44					
1.55E+07	-84.05	-83.12	-81.39	-76.91	-73.60	-76.98	15.51			7.13	10.45	7.07
1.56E+07	-64.74	-74.51	-68.77	-71.78	-67.11	-66.02	15.58	-9.77		-7.04		
1.57E+07	-86.94	-90.12	-89.85	-86.66	-83.68	-83.87	15.65					
1.57E+07	-85.41	-86.50	-84.93	-80.77	-76.94	-80.96	15.72				8.47	
1.58E+07	-64.05	-84.15	-79.80	-82.54	-68.08	-72.89	15.79	-20.10	-15.75	-18.49		-8.84
1.59E+07	-90.15	-93.57	-93.24	-90.98	-88.52	-87.48	15.86					
1.59E+07	-86.43	-88.69	-88.60	-84.95	-80.40	-85.36	15.93				6.03	
1.60E+07	-84.04	-90.26	-94.30	-93.91	-90.88	-93.20	16.00	-6.22	-10.27	-9.87	-6.84	-9.16
1.61E+07	-91.25	-95.91	-96.96	-94.89	-89.42	-91.78	16.07					
1.61E+07	-89.94	-91.87	-94.91	-91.89	-86.14	-94.22	16.14					
1.62E+07	-91.72	-95.35	-100.33	-101.24	-96.55	-99.95	16.21		-8.60	-9.52		-8.23
1.63E+07	-94.74	-95.40	-98.85	-104.00	-96.21	-100.23	16.28			-9.26		
1.64E+07	-92.99	-94.45	-98.22	-99.16	-93.93	-101.26	16.35			-6.16		-8.27
1.64E+07	-93.79	-97.72	-100.10	-100.12	-99.42	-98.87	16.42		-6.31	-6.33		

2-30 MHz Wind Turbine Construction Phase from 6-Jan-2011 to 28-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.			Comparison				
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq MHz	14-Jan Minus the Ambient scan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	dBm	dBm	dBm	dBm	dBm
								6.00	6.00	6.00	6.00	6.00
1.65E+07	-93.84	-100.82	-99.46	-99.27	-97.85	-99.33	16.49	-6.98				
1.66E+07	-92.10	-94.22	-92.02	-88.59	-95.15	-96.11	16.56					
1.66E+07	-93.41	-99.48	-99.56	-100.65	-100.74	-99.76	16.63	-6.07	-6.15	-7.25	-7.33	-6.35
1.67E+07	-94.03	-101.05	-100.27	-99.47	-97.28	-98.73	16.70	-7.02	-6.25			
1.68E+07	-88.32	-95.42	-92.56	-93.69	-88.47	-93.93	16.77	-7.10				
1.68E+07	-93.05	-99.71	-99.74	-101.05	-99.44	-99.64	16.84	-6.66	-6.69	-8.00	-6.39	-6.59
1.69E+07	-92.15	-100.21	-98.19	-99.33	-95.52	-96.48	16.91	-8.06	-6.04	-7.18		
1.70E+07	-89.49	-95.31	-94.50	-97.00	-95.07	-97.58	16.98			-7.51		-8.10
1.71E+07	-91.75	-99.84	-97.39	-97.46	-95.93	-96.49	17.05	-8.09				
1.71E+07	-89.48	-87.61	-96.63	-96.78	-82.31	-93.67	17.12		-7.15	-7.30	7.17	
1.72E+07	-89.76	-93.66	-94.77	-97.47	-93.29	-97.65	17.19			-7.72		-7.89
1.73E+07	-87.63	-102.12	-96.85	-99.36	-93.33	-96.78	17.26	-14.49	-9.22	-11.73		-9.15
1.73E+07	-91.44	-98.42	-96.59	-94.67	-90.66	-95.95	17.33	-6.99				
1.74E+07	-90.02	-95.30	-96.03	-97.32	-94.28	-97.32	17.40		-6.01	-7.30		-7.30
1.75E+07	-86.94	-93.32	-72.71	-98.78	-83.65	-88.94	17.47	-6.38	14.22	-11.84		
1.75E+07	-75.89	-81.61	-80.42	-94.68	-72.91	-79.01	17.54			-18.78		
1.76E+07	-87.82	-90.67	-95.89	-94.19	-93.88	-98.17	17.61		-8.07	-6.37	-6.06	-10.35
1.77E+07	-88.76	-88.02	-90.94	-96.87	-93.50	-97.87	17.68			-8.11		-9.11
1.78E+07	-66.24	-71.61	-93.38	-95.15	-66.20	-78.43	17.75		-27.14	-28.91		-12.18
1.78E+07	-67.98	-74.25	-85.97	-93.46	-79.88	-83.19	17.82	-6.27	-17.99	-25.48	-11.90	-15.21
1.79E+07	-88.14	-100.93	-94.84	-96.40	-92.59	-97.25	17.89	-12.79	-6.71	-8.26		-9.11
1.80E+07	-87.89	-100.13	-94.81	-95.07	-91.58	-96.33	17.96	-12.24	-6.92	-7.18		-8.44
1.80E+07	-86.69	-99.02	-94.37	-95.71	-91.96	-92.03	18.03	-12.33	-7.68	-9.02		
1.81E+07	-86.11	-95.55	-94.03	-92.22	-88.49	-91.68	18.10	-9.44	-7.91	-6.11		
1.82E+07	-85.54	-98.63	-93.93	-94.31	-90.14	-94.92	18.17	-13.09	-8.38	-8.76		-9.37
1.82E+07	-85.58	-98.75	-93.34	-93.91	-88.73	-94.38	18.24	-13.16	-7.76	-8.33		-8.79

2-30 MHz Wind Turbine Construction Phase from 6-Jan-2011 to 28-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.			Comparison				
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq MHz	14-Jan Minus the Ambient scan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	dBm	dBm	dBm	dBm	dBm
1.83E+07	-86.15	-97.96	-93.89	-94.78	-89.69	-94.94	18.31	-11.81	-7.73	-8.62		-8.79
1.84E+07	-85.69	-97.80	-92.68	-93.26	-88.50	-94.49	18.38	-12.11	-6.99	-7.57		-8.80
1.85E+07	-86.18	-97.50	-93.33	-93.10	-88.89	-93.41	18.45	-11.32	-7.15	-6.92		-7.23
1.85E+07	-86.08	-96.93	-93.02	-92.85	-88.70	-94.06	18.52	-10.85	-6.93	-6.76		-7.98
1.86E+07	-84.86	-95.45	-91.79	-90.99	-88.37	-92.64	18.59	-10.59	-6.93	-6.13		-7.78
1.87E+07	-85.94	-96.76	-93.81	-91.82	-89.07	-92.69	18.66	-10.83	-7.88			-6.76
1.87E+07	-86.03	-95.32	-94.29	-91.49	-88.53	-92.65	18.73	-9.29	-8.26			-6.62
1.88E+07	-86.46	-95.01	-93.13	-91.86	-88.52	-92.98	18.80	-8.54	-6.67			-6.52
1.89E+07	-86.91	-95.08	-92.58	-91.19	-84.84	-92.15	18.87	-8.17				
1.89E+07	-84.67	-92.21	-88.52	-84.71	-81.42	-86.95	18.94	-7.54				
1.90E+07	-86.44	-95.35	-93.14	-92.39	-88.06	-93.03	19.01	-8.91	-6.70			-6.59
1.91E+07	-88.60	-95.01	-95.82	-93.88	-90.33	-93.06	19.08	-6.41	-7.22			
1.92E+07	-89.75	-95.20	-96.56	-92.40	-90.62	-92.86	19.15		-6.82			
1.92E+07	-89.68	-94.09	-95.93	-94.13	-90.84	-92.74	19.22		-6.25			
1.93E+07	-89.04	-93.09	-95.24	-93.07	-89.81	-92.04	19.29		-6.20			
1.94E+07	-90.61	-94.60	-96.25	-94.60	-91.14	-94.30	19.36					
1.94E+07	-90.31	-94.54	-96.10	-94.48	-90.57	-93.89	19.43					
1.95E+07	-87.57	-92.46	-94.28	-93.70	-88.26	-93.16	19.50		-6.71	-6.13		
1.96E+07	-90.45	-94.08	-95.12	-94.74	-91.18	-92.32	19.57					
1.96E+07	-90.45	-93.59	-94.13	-94.86	-90.07	-91.95	19.64					
1.97E+07	-88.81	-92.61	-94.46	-93.39	-89.77	-92.28	19.71					
1.98E+07	-89.10	-94.67	-95.99	-93.71	-90.85	-93.83	19.78		-6.90			
1.99E+07	-90.82	-93.75	-94.50	-93.80	-91.10	-92.22	19.85					
1.99E+07	-91.05	-94.32	-95.86	-94.13	-91.09	-92.63	19.92					
2.00E+07	-92.15	-94.84	-95.55	-94.98	-91.89	-93.54	19.99					
2.01E+07	-91.60	-95.18	-97.70	-95.22	-92.25	-93.51	20.06		-6.11			

2-30 MHz Wind Turbine Construction Phase from 6-Jan-2011 to 28-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.			Comparison				
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq MHz	14-Jan Minus the Ambient scan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	dBm	dBm	dBm	dBm	dBm
2.01E+07	-91.49	-95.31	-96.18	-95.14	-93.09	-92.40	20.13	6.00	6.00	6.00	6.00	6.00
2.02E+07	-92.51	-95.44	-95.43	-94.97	-93.43	-93.52	20.20					
2.03E+07	-91.14	-96.74	-96.01	-95.43	-92.47	-94.18	20.27					
2.03E+07	-93.13	-96.43	-97.32	-96.52	-93.86	-94.13	20.34					
2.04E+07	-91.76	-95.47	-96.73	-95.98	-93.25	-94.12	20.41					
2.05E+07	-92.66	-97.07	-97.90	-96.87	-94.73	-94.15	20.48					
2.06E+07	-92.06	-96.58	-97.88	-96.13	-94.62	-94.57	20.55					
2.06E+07	-90.79	-95.45	-96.79	-94.37	-93.83	-93.79	20.62		-6.00			
2.07E+07	-92.26	-97.24	-98.00	-95.95	-94.91	-95.40	20.69					
2.08E+07	-89.18	-96.47	-95.65	-94.84	-90.46	-94.72	20.76	-7.29	-6.47			
2.08E+07	-91.72	-95.97	-97.17	-96.26	-93.66	-95.68	20.83					
2.09E+07	-92.93	-98.69	-98.60	-96.36	-95.77	-96.48	20.90					
2.10E+07	-92.27	-97.07	-99.15	-97.57	-94.50	-95.26	20.97		-6.88			
2.10E+07	-92.67	-97.81	-99.60	-97.96	-94.71	-96.95	21.04		-6.93			
2.11E+07	-93.64	-98.81	-99.87	-97.86	-95.68	-98.92	21.11		-6.24			
2.12E+07	-93.92	-98.43	-99.75	-96.68	-96.10	-96.87	21.18					
2.13E+07	-90.40	-94.33	-99.03	-99.22	-94.18	-91.55	21.25		-8.62	-8.82		
2.13E+07	-93.96	-98.79	-96.94	-99.54	-96.65	-98.76	21.32					
2.14E+07	-93.81	-98.67	-100.06	-98.52	-96.71	-97.02	21.39		-6.25			
2.15E+07	-95.36	-100.64	-101.14	-99.63	-98.02	-98.46	21.46					
2.15E+07	-95.05	-99.48	-101.32	-99.20	-97.08	-97.45	21.53		-6.27			
2.16E+07	-95.44	-99.42	-101.79	-99.39	-96.93	-98.09	21.60		-6.35			
2.17E+07	-95.64	-96.41	-101.98	-100.85	-97.25	-99.14	21.67		-6.34			
2.17E+07	-94.23	-100.17	-101.68	-98.70	-96.64	-98.87	21.74		-7.45			
2.18E+07	-94.90	-100.88	-102.01	-100.90	-97.49	-99.09	21.81		-7.11	-6.00		
2.19E+07	-95.35	-100.93	-103.41	-100.46	-97.90	-100.14	21.88		-8.06			

2-30 MHz Wind Turbine Construction Phase from 6-Jan-2011 to 28-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.			Comparison				
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq MHz	14-Jan Minus the Ambient scan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	6.00	6.00	6.00	6.00	6.00
2.20E+07	-95.91	-100.24	-103.03	-100.98	-97.69	-99.95	21.95		-7.12			
2.20E+07	-95.54	-101.25	-102.52	-101.04	-97.07	-100.73	22.02		-6.97			
2.21E+07	-95.50	-101.21	-102.49	-100.66	-97.94	-100.24	22.09		-6.98			
2.22E+07	-96.18	-101.49	-105.06	-100.59	-98.15	-100.84	22.16		-8.88			
2.22E+07	-95.59	-102.32	-103.36	-100.96	-99.04	-101.47	22.23	-6.73	-7.77			
2.23E+07	-96.61	-101.17	-103.00	-100.90	-97.31	-99.55	22.30		-6.40			
2.24E+07	-97.20	-102.89	-104.33	-101.69	-99.22	-100.85	22.37		-7.13			
2.24E+07	-96.39	-102.10	-102.76	-101.29	-99.19	-99.84	22.44		-6.37			
2.25E+07	-94.75	-100.74	-101.77	-100.08	-96.22	-100.37	22.51		-7.02			
2.26E+07	-96.63	-102.43	-104.55	-103.01	-100.11	-101.86	22.58		-7.93	-6.38		
2.27E+07	-96.22	-102.11	-104.11	-103.17	-98.85	-101.62	22.65		-7.89	-6.95		
2.27E+07	-96.11	-101.82	-103.82	-102.23	-98.04	-101.71	22.72		-7.71	-6.11		
2.28E+07	-99.33	-104.23	-106.20	-104.09	-101.11	-102.78	22.79		-6.88			
2.29E+07	-97.75	-103.61	-104.32	-103.42	-99.30	-102.47	22.86		-6.57			
2.29E+07	-98.72	-103.24	-105.49	-102.54	-99.32	-102.64	22.93		-6.76			
2.30E+07	-98.93	-104.38	-105.96	-103.18	-100.69	-103.55	23.00		-7.03			
2.31E+07	-98.91	-103.76	-105.53	-103.89	-101.26	-102.38	23.07		-6.62			
2.31E+07	-98.85	-103.82	-106.47	-104.41	-101.24	-102.50	23.14		-7.63			
2.32E+07	-99.94	-104.14	-105.41	-101.55	-100.33	-101.85	23.21					
2.33E+07	-98.72	-104.96	-106.11	-103.85	-101.36	-102.72	23.28	-6.24	-7.40			
2.34E+07	-100.06	-103.76	-105.77	-103.68	-101.97	-103.14	23.35					
2.34E+07	-98.93	-102.25	-105.01	-102.52	-99.08	-102.07	23.42		-6.08			
2.35E+07	-100.66	-104.30	-105.99	-104.57	-100.76	-103.64	23.49					
2.36E+07	-99.93	-102.44	-105.54	-103.14	-101.01	-101.72	23.56					
2.36E+07	-98.70	-101.13	-104.11	-102.67	-97.80	-102.33	23.63					
2.37E+07	-101.50	-103.58	-106.21	-103.71	-101.42	-103.54	23.70					

2-30 MHz Wind Turbine Construction Phase from 6-Jan-2011 to 28-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.			Comparison				
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq MHz	14-Jan Minus the Ambient scan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	dBm	dBm	dBm	dBm	dBm
2.38E+07	-96.96	-102.32	-102.15	-101.64	-96.66	-101.56	23.77	6.00	6.00	6.00	6.00	6.00
2.38E+07	-100.33	-101.86	-104.88	-102.49	-98.76	-102.63	23.84					
2.39E+07	-100.91	-103.70	-106.06	-104.23	-101.31	-103.59	23.91					
2.40E+07	-100.55	-103.17	-105.43	-102.81	-100.82	-101.81	23.98					
2.41E+07	-102.12	-102.47	-106.31	-103.36	-100.04	-102.76	24.05					
2.41E+07	-101.92	-103.88	-105.52	-103.20	-101.42	-101.34	24.12					
2.42E+07	-102.33	-103.32	-106.36	-102.96	-102.25	-102.85	24.19					
2.43E+07	-99.83	-102.97	-104.26	-102.54	-99.21	-102.94	24.26					
2.43E+07	-102.00	-104.05	-105.41	-102.25	-100.61	-101.94	24.33					
2.44E+07	-102.66	-104.12	-106.05	-101.52	-102.48	-102.55	24.40					
2.45E+07	-101.00	-103.04	-105.11	-101.31	-101.45	-103.70	24.47					
2.45E+07	-99.75	-101.99	-104.76	-101.46	-99.57	-102.13	24.54					
2.46E+07	-101.85	-103.83	-104.30	-101.71	-101.62	-102.20	24.61					
2.47E+07	-101.57	-103.30	-104.15	-102.77	-100.60	-100.72	24.68					
2.48E+07	-99.97	-101.88	-104.17	-101.89	-98.51	-102.43	24.75					
2.48E+07	-100.80	-103.51	-104.91	-101.96	-99.66	-102.35	24.82					
2.49E+07	-100.21	-102.96	-104.64	-101.71	-100.81	-102.95	24.89					
2.50E+07	-100.64	-102.40	-103.23	-100.64	-99.36	-100.54	24.96					
2.50E+07	-101.04	-104.16	-104.72	-101.62	-100.60	-103.53	25.03					
2.51E+07	-100.87	-102.46	-104.55	-101.39	-100.96	-102.63	25.10					
2.52E+07	-100.33	-102.73	-102.63	-99.98	-100.38	-100.64	25.17					
2.52E+07	-102.98	-102.98	-103.78	-102.06	-101.46	-101.41	25.24					
2.53E+07	-101.53	-99.74	-104.96	-102.22	-101.47	-102.25	25.31					
2.54E+07	-102.21	-104.14	-104.59	-102.99	-100.75	-102.55	25.38					
2.55E+07	-101.27	-103.33	-104.31	-102.41	-101.17	-102.17	25.45					
2.55E+07	-99.79	-99.02	-102.40	-102.44	-99.27	-101.98	25.52					

2-30 MHz Wind Turbine Construction Phase from 6-Jan-2011 to 28-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.			Comparison				
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq MHz	14-Jan Minus the Ambient scan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	dBm	dBm	dBm	dBm	dBm
2.56E+07	-102.39	-103.74	-104.54	-101.88	-101.49	-102.60	25.59	6.00	6.00	6.00	6.00	6.00
2.57E+07	-100.95	-102.80	-103.28	-101.84	-100.57	-101.23	25.66					
2.57E+07	-101.09	-102.37	-104.41	-102.58	-101.57	-102.30	25.73					
2.58E+07	-101.55	-102.96	-104.46	-101.70	-101.13	-102.57	25.80					
2.59E+07	-101.14	-101.17	-103.58	-102.30	-101.35	-102.19	25.87					
2.59E+07	-101.75	-102.28	-105.29	-101.92	-101.73	-102.66	25.94					
2.60E+07	-101.04	-103.76	-105.89	-103.38	-101.82	-103.00	26.01					
2.61E+07	-102.21	-101.41	-104.31	-102.24	-101.78	-103.32	26.08					
2.62E+07	-101.47	-102.56	-105.34	-101.88	-102.81	-102.81	26.15					
2.62E+07	-101.07	-102.81	-105.21	-102.06	-101.74	-102.15	26.22					
2.63E+07	-101.47	-100.22	-106.07	-101.96	-102.49	-104.42	26.29					
2.64E+07	-100.27	-102.74	-106.59	-102.65	-102.53	-104.48	26.36	-6.32				
2.64E+07	-101.48	-103.11	-105.07	-101.11	-102.40	-102.59	26.43					
2.65E+07	-102.05	-101.66	-106.69	-102.48	-102.35	-104.60	26.50					
2.66E+07	-101.07	-103.36	-105.75	-101.75	-102.52	-103.62	26.57					
2.66E+07	-100.42	-102.80	-105.40	-101.51	-100.82	-103.86	26.64					
2.67E+07	-98.75	-91.04	-103.25	-100.94	-101.89	-103.66	26.71	7.71				
2.68E+07	-98.28	-103.31	-100.50	-99.97	-100.06	-102.49	26.78					
2.69E+07	-100.59	-102.26	-102.62	-98.49	-99.19	-100.87	26.85					
2.69E+07	-98.76	-97.76	-97.34	-99.39	-101.75	-101.52	26.92					
2.70E+07	-99.71	-81.63	-78.40	-99.34	-100.67	-100.61	26.99	18.07	21.31			
2.71E+07	-99.81	-93.46	-88.54	-94.51	-95.99	-98.50	27.06	6.36	11.27			
2.71E+07	-96.51	-95.54	-98.16	-97.14	-100.57	-100.12	27.13					
2.72E+07	-99.61	-99.19	-100.85	-96.71	-99.43	-98.06	27.20					
2.73E+07	-97.40	-95.85	-96.94	-92.66	-94.12	-98.14	27.27					
2.73E+07	-94.98	-94.15	-95.49	-96.21	-99.56	-99.60	27.34					

2-30 MHz Wind Turbine Construction Phase from 6-Jan-2011 to 28-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.			Comparison				
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq MHz	14-Jan Minus the Ambient scan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	dBm	dBm	dBm	dBm	dBm
2.74E+07	-98.28	-99.35	-100.75	-95.62	-98.40	-97.19	27.41	6.00	6.00	6.00	6.00	6.00
2.75E+07	-97.57	-96.01	-96.57	-91.67	-95.80	-97.70	27.48					
2.76E+07	-94.28	-94.08	-98.44	-96.53	-98.57	-99.04	27.55					
2.76E+07	-99.08	-99.46	-99.73	-94.62	-97.11	-96.59	27.62					
2.77E+07	-97.86	-95.87	-96.47	-91.49	-95.74	-98.54	27.69			6.37		
2.78E+07	-96.17	-96.07	-99.80	-96.48	-99.29	-99.41	27.76					
2.78E+07	-100.44	-100.22	-100.30	-94.67	-97.09	-99.01	27.83					
2.79E+07	-98.88	-95.70	-97.47	-93.88	-98.43	-100.63	27.90					
2.80E+07	-98.43	-97.31	-101.38	-97.59	-100.54	-100.87	27.97					
2.80E+07	-101.47	-100.06	-101.31	-96.08	-98.56	-99.24	28.04					
2.81E+07	-100.57	-95.48	-98.53	-95.12	-99.82	-101.93	28.11					
2.82E+07	-99.79	-98.73	-102.39	-98.80	-102.97	-101.68	28.18					
2.83E+07	-102.66	-100.78	-101.33	-96.75	-100.56	-100.30	28.25					
2.83E+07	-100.28	-95.17	-99.85	-96.77	-102.53	-102.62	28.32					
2.84E+07	-101.20	-99.50	-103.02	-99.13	-102.10	-102.70	28.39					
2.85E+07	-102.57	-97.37	-101.68	-98.56	-100.79	-103.63	28.46					
2.85E+07	-99.89	-95.64	-99.94	-98.73	-102.27	-103.86	28.53					
2.86E+07	-102.21	-97.51	-99.35	-94.46	-101.08	-99.71	28.60			7.75		
2.87E+07	-103.88	-100.14	-102.37	-99.08	-102.84	-104.09	28.67					
2.87E+07	-102.12	-96.97	-101.47	-99.36	-103.96	-104.24	28.74					
2.88E+07	-103.57	-101.64	-101.96	-99.47	-104.35	-102.72	28.81					
2.89E+07	-103.45	-99.98	-100.02	-96.98	-103.16	-103.18	28.88			6.47		
2.90E+07	-99.32	-96.41	-95.42	-93.94	-102.16	-100.43	28.95					
2.90E+07	-103.23	-101.71	-102.38	-99.04	-103.83	-103.46	29.02					
2.91E+07	-103.85	-100.57	-99.92	-96.44	-102.46	-102.68	29.09			7.40		
2.92E+07	-100.48	-97.33	-99.94	-100.04	-103.58	-103.35	29.16					

2-30 MHz Wind Turbine Construction Phase from 6-Jan-2011 to 28-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.		Comparison					
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq MHz	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	Minus the Ambient scan				
								dBm	dBm	dBm	dBm	dBm
2.92E+07	-102.73	-100.74	-100.26	-97.18	-104.00	-101.90	29.23	6.00	6.00	6.00	6.00	6.00
2.93E+07	-103.71	-100.37	-99.55	-96.13	-101.92	-102.00	29.30			7.59		
2.94E+07	-102.31	-98.28	-101.30	-99.90	-105.43	-103.44	29.37					
2.94E+07	-104.60	-102.34	-102.76	-98.55	-103.99	-101.95	29.44			6.05		
2.95E+07	-101.09	-98.96	-97.78	-95.35	-100.97	-101.11	29.51					
2.96E+07	-102.15	-100.06	-101.10	-99.69	-104.55	-103.66	29.58					
2.97E+07	-105.55	-102.79	-103.26	-99.82	-103.77	-103.91	29.65					
2.97E+07	-105.01	-101.37	-101.07	-100.05	-104.43	-104.22	29.72					
2.98E+07	-102.50	-101.22	-101.95	-101.26	-104.22	-105.62	29.79					
2.99E+07	-104.46	-101.49	-100.06	-99.12	-103.40	-102.96	29.86					
2.99E+07	-105.25	-100.37	-100.66	-99.42	-105.41	-104.25	29.93					
3.00E+07	-106.19	-102.58	-103.88	-101.71	-106.44	-106.71	30.00					
Sum of column								-366.95	-580.53	-264.70	-1.50	-354.58

Attenuation (dB)
0

Center Frequency (Hz)
16000000

Date/Time
1/6/2011 12:31

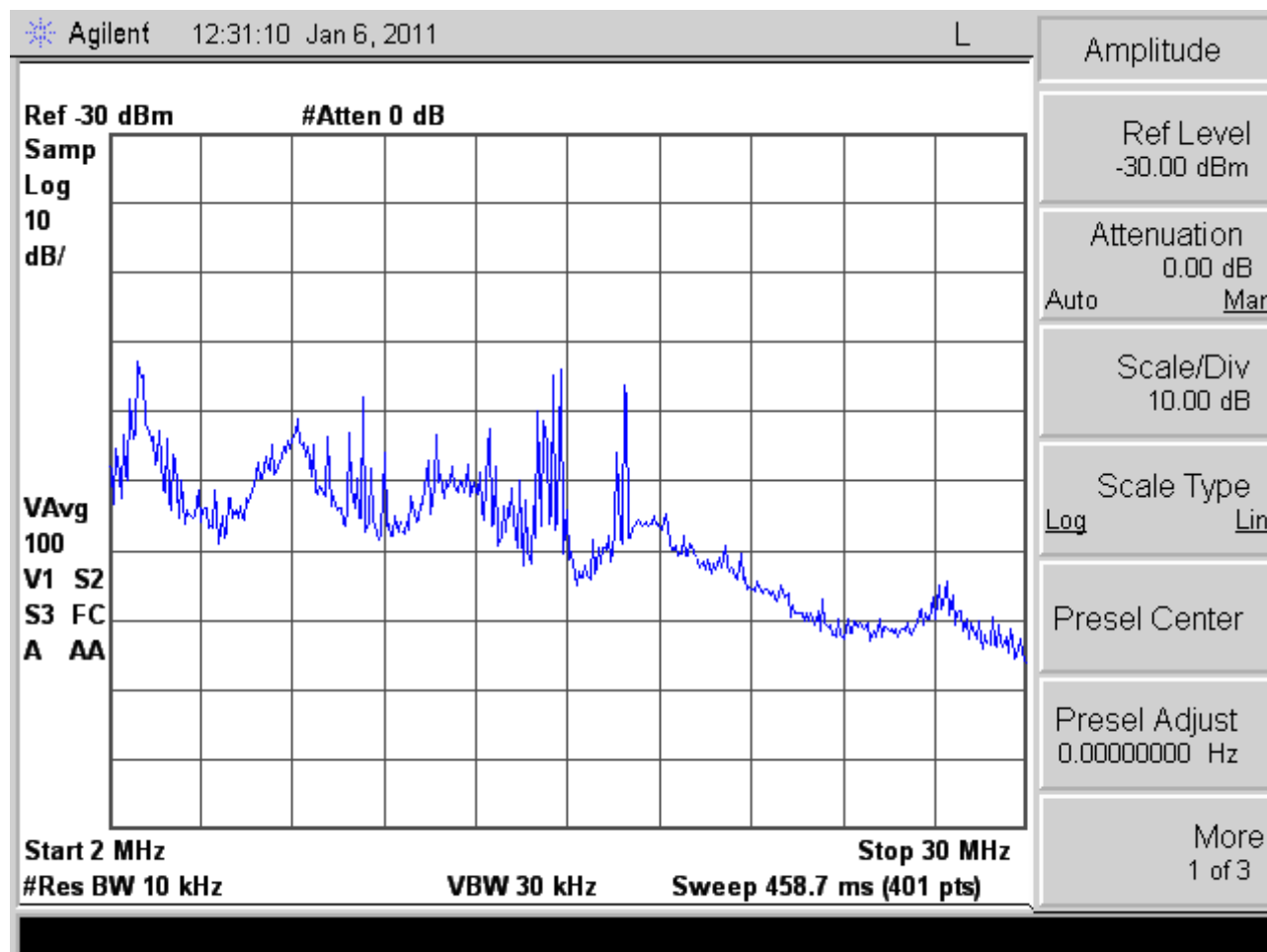
Instrument Model
E4407B

Instrument Serial Number
MY45116875

Reference Level (dBm)
-30

Resolution BW (Hz)
10000

Scale Type
LOG



Span Frequency (Hz)
28000000

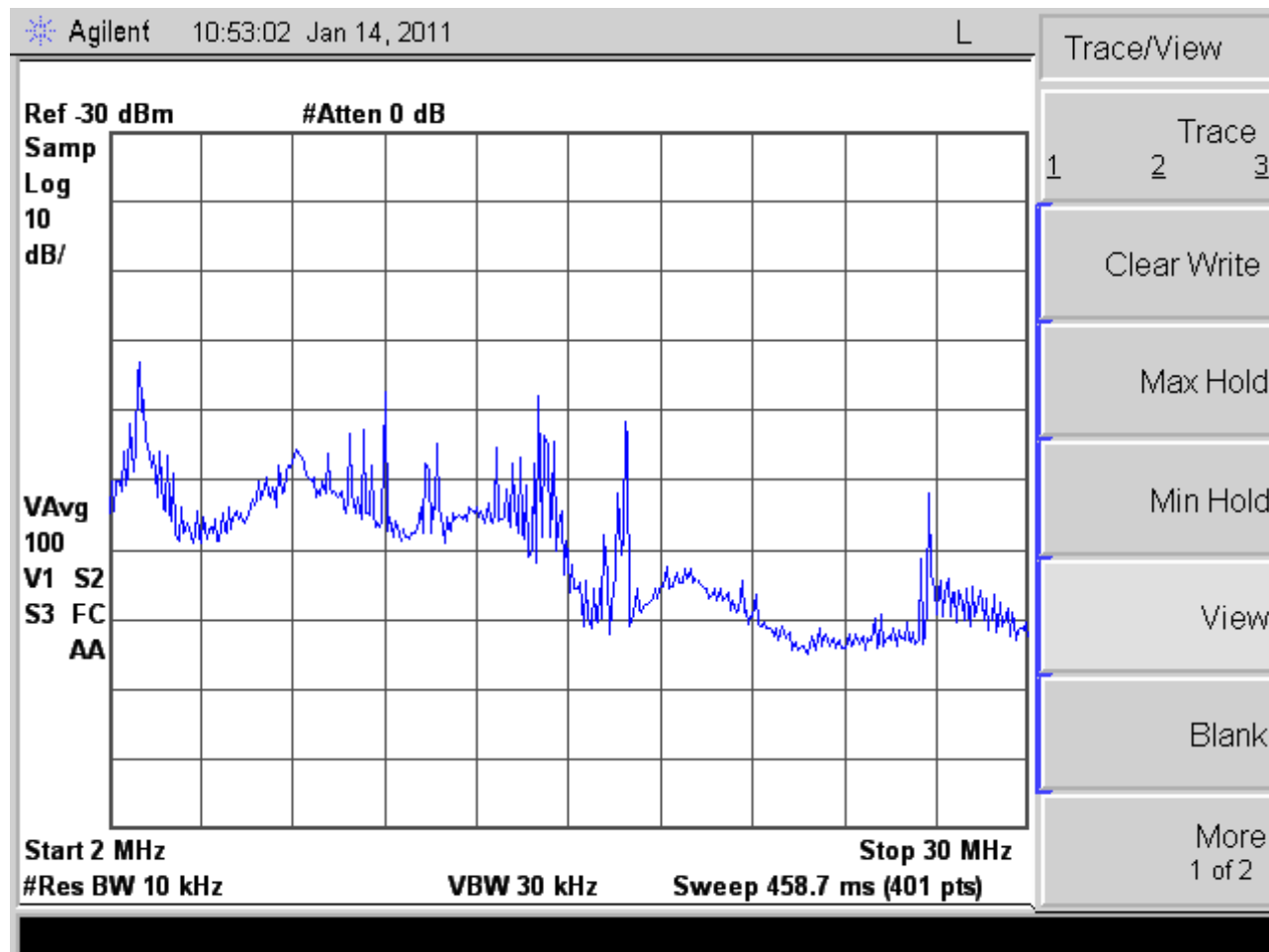
Start Frequency (Hz)
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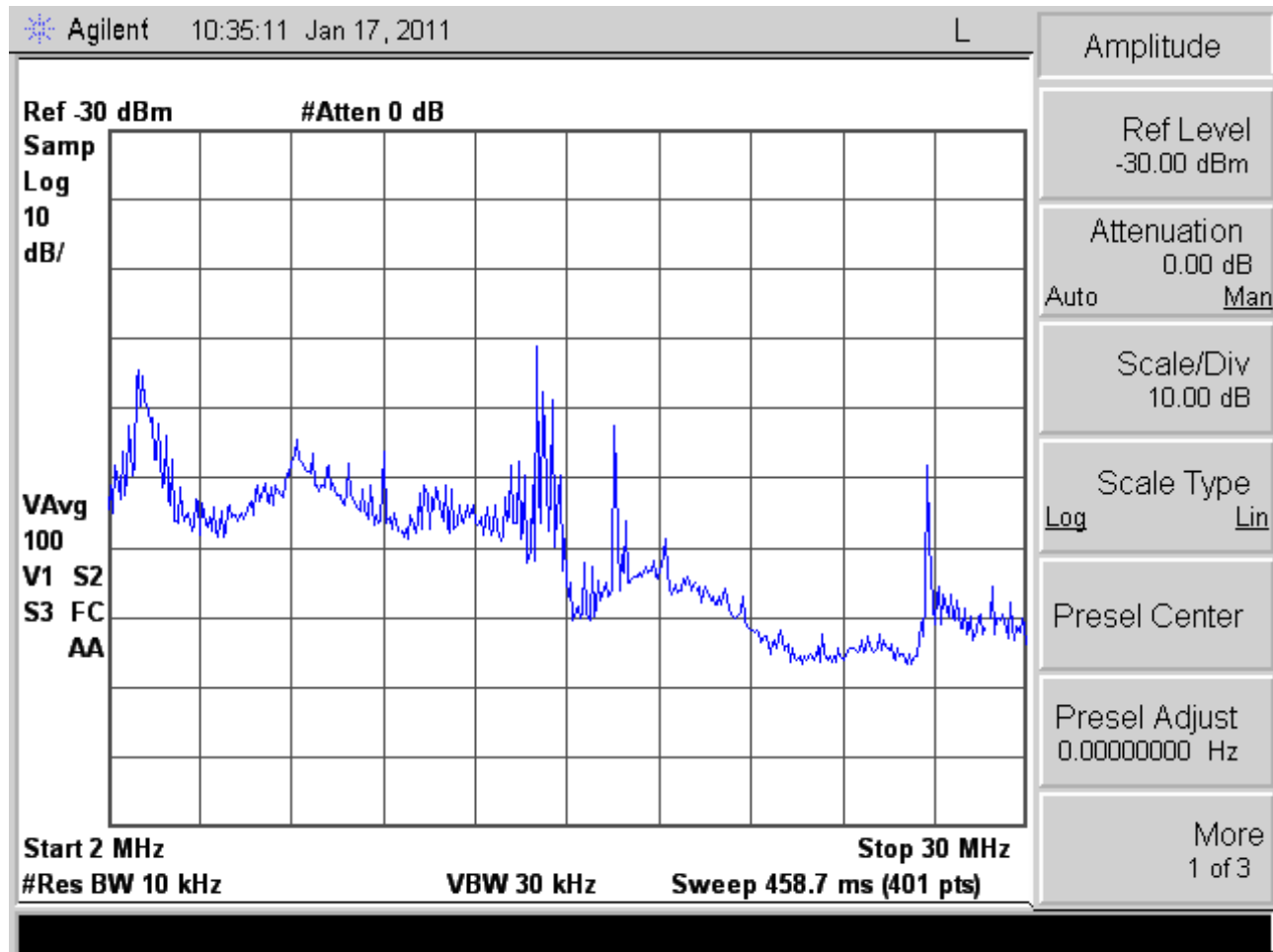
Stop Frequency (Hz)
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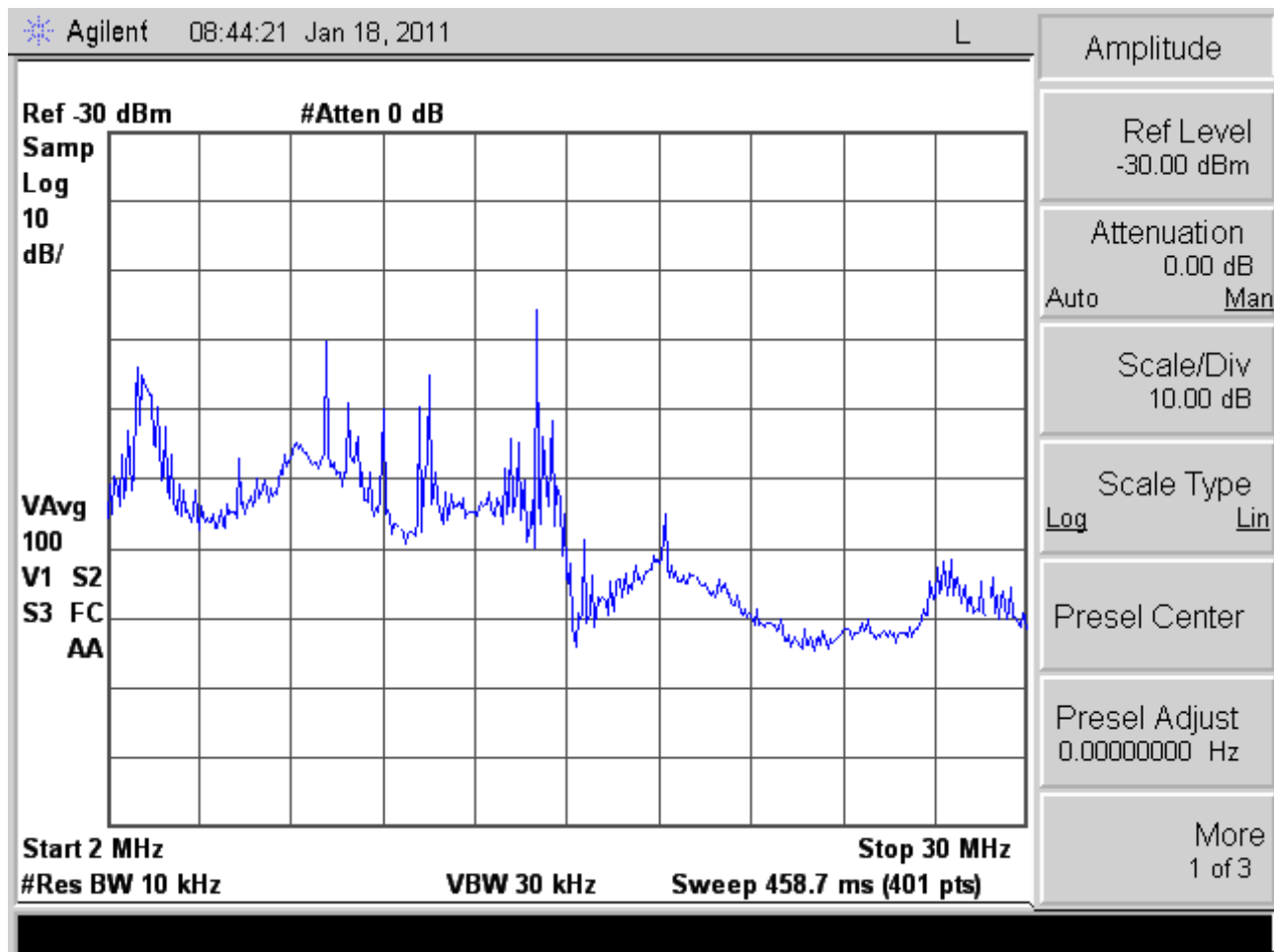
Sweep Number Of Points
401

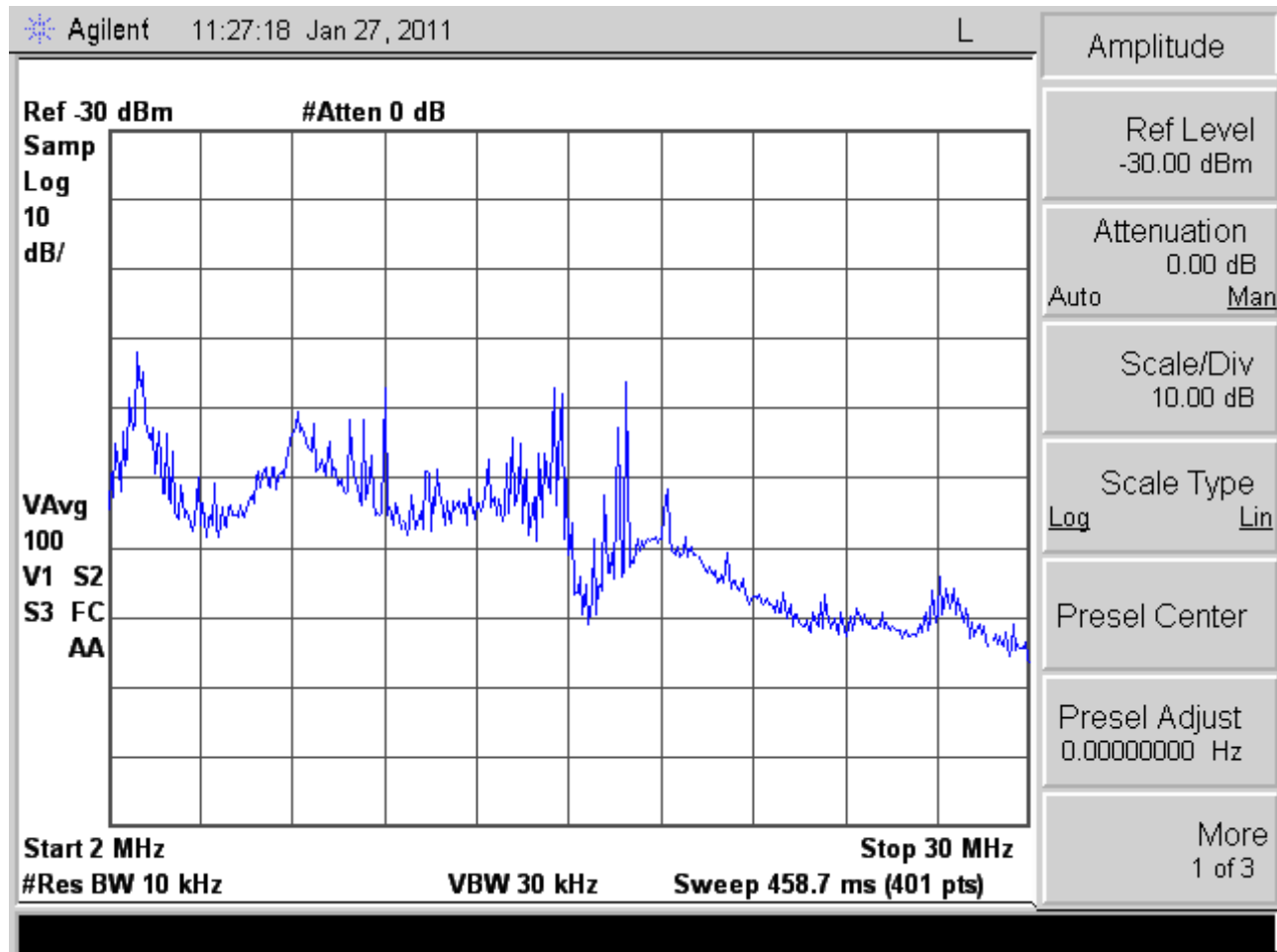
Sweep Time (seconds)
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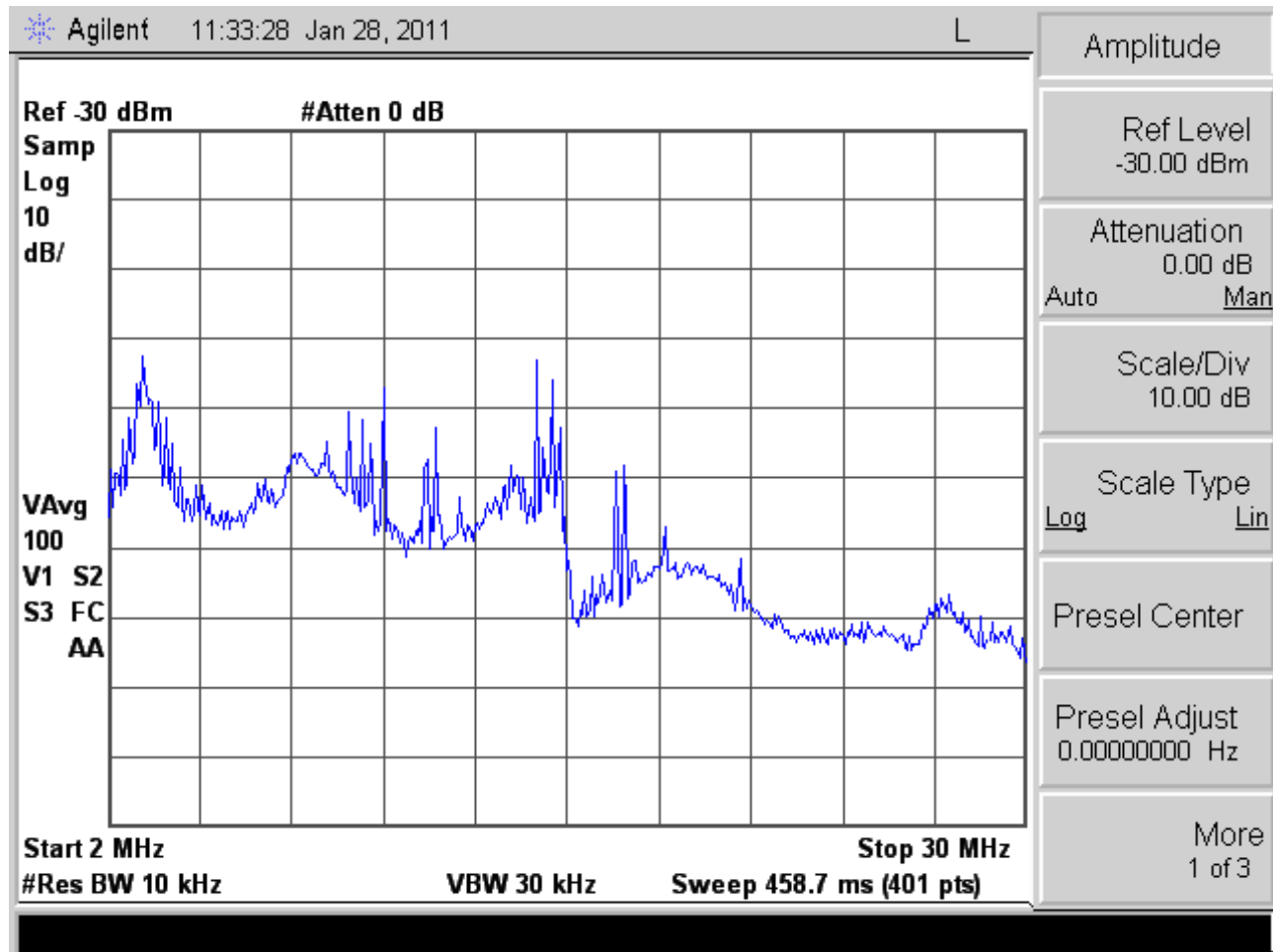
Video BW (Hz)
30000











30-200 MHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.		Comparison					
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq MHz	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	minus the Ambient scan				
								dBm	dBm	dBm	dBm	dBm
3.00E+07	-99.86	-96.72	-97.41	-96.03	-100.98	-100.68	30.00	6.00	6.00	6.00	6.00	6.00
3.04E+07	-98.97	-94.86	-94.73	-94.24	-100.61	-99.35	30.43					
3.09E+07	-102.30	-98.35	-98.08	-97.75	-102.74	-100.97	30.85					
3.13E+07	-103.76	-99.16	-99.56	-99.50	-103.76	-103.73	31.28					
3.17E+07	-103.03	-98.84	-98.42	-100.07	-103.43	-103.76	31.70					
3.21E+07	-104.21	-100.26	-99.94	-100.41	-104.98	-100.25	32.13					
3.26E+07	-103.85	-98.25	-98.37	-99.63	-103.90	-102.18	32.55					
3.30E+07	-102.91	-95.56	-95.74	-99.08	-103.01	-100.96	32.98	7.35	7.17			
3.34E+07	-102.98	-97.55	-96.64	-100.48	-104.26	-103.03	33.40		6.34			
3.38E+07	-105.14	-100.11	-100.37	-102.32	-104.33	-104.60	33.83					
3.43E+07	-105.05	-101.08	-99.62	-102.53	-105.54	-103.35	34.25					
3.47E+07	-105.98	-104.53	-104.14	-103.57	-105.64	-104.98	34.68					
3.51E+07	-106.78	-104.53	-104.20	-104.99	-105.41	-104.44	35.10					
3.55E+07	-106.27	-105.06	-104.99	-105.55	-106.06	-105.60	35.53					
3.60E+07	-105.92	-103.78	-104.39	-105.10	-106.56	-105.52	35.95					
3.64E+07	-106.65	-105.23	-104.41	-105.80	-106.16	-104.80	36.38					
3.68E+07	-106.78	-106.59	-105.76	-104.59	-106.23	-105.75	36.80					
3.72E+07	-107.32	-105.89	-106.02	-106.55	-106.07	-106.08	37.23					
3.77E+07	-107.11	-106.14	-106.13	-105.99	-106.82	-105.34	37.65					
3.81E+07	-107.51	-106.44	-105.53	-105.87	-104.14	-106.44	38.08					
3.85E+07	-106.50	-106.88	-105.21	-105.90	-106.48	-104.76	38.50					
3.89E+07	-108.01	-105.62	-105.64	-106.67	-106.94	-106.36	38.93					
3.94E+07	-107.78	-107.43	-105.75	-105.61	-105.67	-106.95	39.35					
3.98E+07	-106.29	-105.00	-104.69	-106.43	-106.35	-104.61	39.78					
4.02E+07	-107.26	-107.04	-105.33	-105.73	-106.43	-105.54	40.20					

30-200 MHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.			Comparison				
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq MHz	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	dBm	dBm	dBm	dBm	dBm
								6.00	6.00	6.00	6.00	6.00
4.06E+07	-108.29	-106.48	-106.38	-105.66	-107.20	-106.15	40.63					
4.11E+07	-107.19	-106.12	-106.73	-105.83	-107.05	-105.45	41.05					
4.15E+07	-107.35	-106.31	-105.96	-106.10	-106.72	-104.97	41.48					
4.19E+07	-106.94	-106.94	-106.06	-106.13	-107.05	-104.75	41.90					
4.23E+07	-106.64	-107.39	-106.36	-105.15	-106.20	-105.34	42.33					
4.28E+07	-106.91	-106.99	-106.36	-106.27	-106.42	-105.70	42.75					
4.32E+07	-107.55	-106.30	-106.49	-106.34	-107.09	-106.25	43.18					
4.36E+07	-105.90	-104.78	-105.32	-106.48	-107.13	-105.48	43.60					
4.40E+07	-107.21	-106.58	-106.58	-105.58	-106.71	-105.48	44.03					
4.45E+07	-107.76	-106.59	-106.15	-106.40	-106.45	-106.28	44.45					
4.49E+07	-108.28	-106.08	-106.02	-106.35	-106.00	-105.94	44.88					
4.53E+07	-106.84	-106.82	-105.59	-106.33	-105.63	-105.46	45.30					
4.57E+07	-106.81	-106.03	-105.57	-106.32	-106.84	-104.64	45.73					
4.62E+07	-107.26	-106.49	-106.66	-106.11	-107.06	-105.91	46.15					
4.66E+07	-107.74	-106.97	-105.59	-106.08	-107.17	-106.63	46.58					
4.70E+07	-106.72	-106.46	-106.39	-107.14	-106.70	-105.66	47.00					
4.74E+07	-107.41	-105.57	-106.07	-107.20	-105.70	-107.00	47.43					
4.79E+07	-107.64	-105.51	-105.82	-105.08	-106.91	-105.89	47.85					
4.83E+07	-106.63	-106.09	-106.19	-105.52	-107.15	-106.11	48.28					
4.87E+07	-107.54	-106.24	-106.57	-105.99	-106.69	-106.84	48.70					
4.91E+07	-107.65	-106.48	-105.39	-106.61	-106.32	-105.61	49.13					
4.96E+07	-106.62	-105.33	-105.37	-106.14	-106.21	-106.41	49.55					
5.00E+07	-107.38	-105.61	-105.88	-105.14	-106.46	-106.27	49.98					
5.04E+07	-106.43	-105.32	-105.67	-105.83	-106.82	-105.80	50.40					
5.08E+07	-107.18	-106.11	-106.43	-105.76	-107.37	-106.26	50.83					
5.13E+07	-107.10	-105.12	-105.06	-106.46	-106.68	-106.27	51.25					

30-200 MHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.			Comparison				
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq MHz	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	minus the Ambient scan				
								dBm	dBm	dBm	dBm	dBm
5.17E+07	-106.77	-105.09	-106.20	-105.59	-106.42	-107.29	51.68	6.00	6.00	6.00	6.00	6.00
5.21E+07	-106.94	-103.70	-105.37	-106.38	-107.26	-106.25	52.10					
5.25E+07	-107.45	-104.18	-106.29	-106.17	-106.78	-106.11	52.53					
5.30E+07	-106.46	-104.61	-104.80	-105.42	-106.74	-106.12	52.95					
5.34E+07	-106.45	-104.29	-105.13	-105.08	-106.68	-105.17	53.38					
5.38E+07	-105.90	-103.84	-105.35	-107.16	-106.80	-105.75	53.80					
5.42E+07	-106.84	-103.36	-104.50	-106.38	-107.53	-106.45	54.23					
5.47E+07	-106.23	-103.88	-105.12	-105.87	-107.55	-106.31	54.65					
5.51E+07	-105.65	-104.24	-105.27	-105.71	-107.42	-106.32	55.08					
5.55E+07	-106.40	-104.58	-105.11	-105.55	-107.45	-105.81	55.50					
5.59E+07	-106.44	-103.26	-105.08	-105.53	-106.58	-105.56	55.93					
5.64E+07	-106.42	-104.23	-105.58	-104.87	-106.35	-106.07	56.35					
5.68E+07	-106.25	-104.61	-105.16	-105.93	-105.58	-106.34	56.78					
5.72E+07	-106.16	-104.73	-105.04	-106.45	-107.33	-105.79	57.20					
5.76E+07	-106.87	-105.43	-105.77	-105.29	-106.79	-106.16	57.63					
5.81E+07	-107.04	-105.99	-106.07	-106.79	-105.91	-106.49	58.05					
5.85E+07	-106.44	-105.69	-105.71	-104.51	-107.17	-106.77	58.48					
5.89E+07	-107.00	-106.01	-105.80	-104.99	-105.97	-105.63	58.90					
5.93E+07	-107.71	-106.06	-106.73	-106.39	-107.38	-106.70	59.33					
5.98E+07	-107.33	-105.59	-105.76	-105.63	-105.77	-106.28	59.75					
6.02E+07	-107.13	-106.13	-104.73	-106.13	-107.28	-106.49	60.18					
6.06E+07	-107.59	-106.57	-106.60	-105.97	-107.15	-105.35	60.60					
6.10E+07	-107.25	-105.41	-106.19	-106.47	-107.24	-106.28	61.03					
6.15E+07	-107.11	-106.55	-107.32	-105.78	-107.39	-106.10	61.45					
6.19E+07	-106.83	-106.10	-106.48	-106.27	-106.58	-106.27	61.88					
6.23E+07	-107.73	-106.89	-107.52	-107.12	-106.19	-105.72	62.30					

30-200 MHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011								Comparison				
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.			14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq MHz	minus the Ambient scan				
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	dBm	dBm	dBm	dBm	dBm
								6.00	6.00	6.00	6.00	6.00
6.27E+07	-107.00	-106.39	-106.35	-106.96	-106.16	-106.08	62.73					
6.32E+07	-108.71	-106.33	-106.62	-107.00	-106.49	-105.45	63.15					
6.36E+07	-107.86	-106.99	-106.26	-106.52	-106.80	-106.86	63.58					
6.40E+07	-107.88	-107.31	-106.47	-106.12	-106.55	-106.36	64.00					
6.44E+07	-106.55	-107.80	-107.22	-107.09	-106.53	-104.94	64.43					
6.49E+07	-107.49	-106.95	-106.84	-107.12	-107.39	-104.95	64.85					
6.53E+07	-106.63	-106.52	-105.86	-106.57	-106.61	-106.42	65.28					
6.57E+07	-108.26	-107.08	-106.31	-105.82	-107.22	-106.48	65.70					
6.61E+07	-106.88	-105.91	-107.07	-106.34	-106.52	-107.17	66.13					
6.66E+07	-107.04	-106.54	-105.74	-106.71	-107.32	-106.78	66.55					
6.70E+07	-107.60	-107.12	-106.94	-106.90	-106.32	-105.98	66.98					
6.74E+07	-108.13	-106.54	-106.55	-105.06	-107.16	-106.34	67.40					
6.78E+07	-108.02	-106.87	-106.79	-106.55	-106.69	-106.22	67.83					
6.83E+07	-107.36	-106.79	-106.61	-107.58	-106.99	-106.82	68.25					
6.87E+07	-108.16	-106.89	-106.50	-107.36	-107.42	-106.04	68.68					
6.91E+07	-106.88	-107.01	-106.03	-107.01	-106.85	-105.40	69.10					
6.95E+07	-107.72	-107.11	-106.51	-106.66	-106.31	-106.19	69.53					
7.00E+07	-108.03	-107.40	-106.89	-106.80	-107.03	-106.13	69.95					
7.04E+07	-107.36	-107.23	-107.15	-106.97	-107.30	-105.71	70.38					
7.08E+07	-107.94	-106.42	-106.55	-107.36	-106.82	-106.23	70.80					
7.12E+07	-107.37	-107.20	-106.53	-105.70	-107.33	-106.39	71.23					
7.17E+07	-107.34	-107.40	-106.92	-105.70	-107.15	-106.05	71.65					
7.21E+07	-108.32	-106.17	-107.02	-106.91	-107.58	-106.20	72.08					
7.25E+07	-108.22	-106.60	-105.61	-105.60	-107.42	-106.99	72.50					
7.29E+07	-108.04	-106.86	-106.34	-106.70	-106.22	-105.92	72.93					
7.34E+07	-106.94	-106.73	-106.45	-106.60	-106.64	-106.01	73.35					

30-200 MHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.			Comparison				
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq MHz	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	minus the Ambient scan				
								dBm	dBm	dBm	dBm	dBm
7.38E+07	-107.74	-107.25	-106.35	-105.45	-107.04	-106.91	73.78	6.00	6.00	6.00	6.00	6.00
7.42E+07	-106.96	-106.85	-106.90	-105.74	-106.36	-106.51	74.20					
7.46E+07	-106.48	-107.51	-105.94	-105.49	-106.90	-106.89	74.63					
7.51E+07	-107.18	-107.02	-106.67	-106.49	-105.87	-106.77	75.05					
7.55E+07	-107.86	-106.93	-107.04	-106.17	-106.45	-106.77	75.48					
7.59E+07	-107.35	-106.60	-106.94	-105.93	-106.90	-106.91	75.90					
7.63E+07	-107.57	-105.88	-106.68	-106.56	-106.74	-106.39	76.33					
7.68E+07	-107.31	-106.80	-106.18	-106.38	-107.42	-105.77	76.75					
7.72E+07	-107.21	-106.82	-106.06	-106.52	-107.13	-105.66	77.18					
7.76E+07	-107.68	-106.10	-106.61	-106.53	-107.19	-105.90	77.60					
7.80E+07	-106.99	-106.80	-106.17	-105.84	-106.32	-105.61	78.03					
7.85E+07	-106.13	-106.20	-106.58	-105.56	-106.78	-105.69	78.45					
7.89E+07	-108.05	-106.57	-107.07	-106.47	-106.98	-106.95	78.88					
7.93E+07	-107.53	-106.58	-107.13	-108.03	-106.68	-106.01	79.30					
7.97E+07	-106.88	-106.23	-106.02	-106.56	-107.15	-106.47	79.73					
8.02E+07	-107.78	-107.03	-106.22	-106.03	-106.54	-106.08	80.15					
8.06E+07	-106.97	-106.82	-108.99	-106.01	-107.36	-105.75	80.58					
8.10E+07	-107.30	-106.40	-106.30	-106.33	-106.67	-106.45	81.00					
8.14E+07	-107.78	-106.43	-106.62	-105.77	-107.07	-105.95	81.43					
8.19E+07	-106.75	-106.50	-106.22	-106.55	-107.35	-105.66	81.85					
8.23E+07	-106.96	-106.34	-107.15	-106.73	-106.52	-106.27	82.28					
8.27E+07	-107.78	-106.34	-106.35	-105.18	-106.92	-105.92	82.70					
8.31E+07	-107.47	-106.07	-106.35	-105.94	-106.73	-106.39	83.13					
8.36E+07	-107.39	-106.01	-106.57	-105.38	-106.97	-105.07	83.55					
8.40E+07	-107.87	-106.40	-105.89	-106.25	-106.91	-105.75	83.98					
8.44E+07	-108.85	-105.89	-106.97	-104.97	-106.44	-106.00	84.40					

30-200 MHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.			Comparison				
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq MHz	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	minus the Ambient scan				
								dBm	dBm	dBm	dBm	dBm
8.48E+07	-106.94	-105.40	-105.89	-105.70	-106.73	-106.43	84.83	6.00	6.00	6.00	6.00	6.00
8.53E+07	-106.90	-104.75	-105.80	-104.81	-107.32	-106.64	85.25					
8.57E+07	-106.50	-104.24	-105.32	-103.98	-106.86	-106.00	85.68					
8.61E+07	-106.81	-104.09	-106.13	-104.72	-107.81	-106.41	86.10					
8.65E+07	-105.11	-103.21	-105.82	-104.68	-107.10	-106.32	86.53					
8.70E+07	-105.44	-101.15	-106.92	-103.58	-106.46	-106.51	86.95					
8.74E+07	-103.78	-100.40	-105.28	-103.85	-106.01	-106.45	87.38					
8.78E+07	-106.02	-99.20	-105.92	-102.55	-106.32	-105.69	87.80	6.82				
8.82E+07	-104.88	-99.27	-104.92	-101.26	-105.45	-105.77	88.23					
8.87E+07	-104.64	-99.86	-102.54	-99.07	-105.00	-102.97	88.65					
8.91E+07	-106.83	-101.59	-103.61	-101.32	-106.19	-106.24	89.08					
8.95E+07	-105.87	-103.53	-103.42	-102.13	-106.68	-105.79	89.50					
8.99E+07	-94.19	-93.32	-95.07	-92.16	-102.35	-101.10	89.93				-8.16	-6.91
9.04E+07	-106.53	-104.32	-101.61	-103.50	-105.36	-105.30	90.35					
9.08E+07	-104.21	-102.93	-97.77	-101.40	-104.56	-103.46	90.78		6.44			
9.12E+07	-107.03	-104.59	-98.30	-103.41	-105.72	-105.84	91.20		8.73			
9.16E+07	-107.45	-105.42	-98.76	-104.38	-106.17	-105.37	91.63		8.69			
9.21E+07	-105.59	-91.48	-91.87	-94.34	-95.74	-96.73	92.05	14.11	13.72	11.25	9.84	8.86
9.25E+07	-107.46	-106.16	-100.86	-105.12	-105.72	-105.65	92.48		6.60			
9.29E+07	-105.87	-106.15	-101.05	-104.56	-107.17	-105.64	92.90					
9.33E+07	-106.57	-105.92	-101.97	-105.03	-106.93	-105.72	93.33					
9.38E+07	-106.78	-105.92	-102.54	-105.29	-107.11	-105.77	93.75					
9.42E+07	-106.44	-106.01	-103.09	-103.19	-107.35	-105.93	94.18					
9.46E+07	-105.57	-105.98	-103.16	-103.52	-106.11	-106.07	94.60					
9.50E+07	-106.73	-105.43	-102.96	-102.70	-105.70	-105.90	95.03					
9.55E+07	-106.68	-104.97	-103.66	-102.54	-106.09	-105.33	95.45					

30-200 MHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.			Comparison				
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq MHz	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	minus the Ambient scan				
								dBm	dBm	dBm	dBm	dBm
9.59E+07	-105.99	-105.69	-101.99	-102.61	-106.05	-104.67	95.88	6.00	6.00	6.00	6.00	6.00
9.63E+07	-103.50	-105.18	-102.87	-102.79	-101.89	-103.19	96.30					
9.67E+07	-106.94	-105.96	-103.46	-103.49	-105.16	-104.69	96.73					
9.72E+07	-107.38	-105.93	-103.70	-103.00	-106.51	-105.65	97.15					
9.76E+07	-100.41	-100.76	-95.28	-98.72	-103.48	-100.84	97.58					
9.80E+07	-107.54	-106.32	-103.72	-103.51	-106.08	-106.66	98.00					
9.84E+07	-106.87	-105.94	-104.48	-103.22	-106.75	-105.22	98.43					
9.89E+07	-105.67	-105.59	-104.54	-102.77	-106.59	-105.94	98.85					
9.93E+07	-91.50	-94.60	-95.52	-96.40	-98.09	-95.14	99.28				-6.60	
9.97E+07	-106.65	-105.44	-102.76	-104.21	-106.60	-106.06	99.70					
1.00E+08	-106.18	-104.78	-103.27	-104.20	-105.98	-105.45	100.13					
1.01E+08	-103.20	-101.74	-102.05	-100.93	-105.52	-103.07	100.55					
1.01E+08	-106.19	-105.74	-104.16	-103.90	-106.44	-105.39	100.98					
1.01E+08	-98.27	-99.99	-96.78	-98.77	-103.77	-97.80	101.40					
1.02E+08	-107.36	-105.91	-103.52	-103.74	-106.13	-105.45	101.83					
1.02E+08	-107.25	-104.96	-103.47	-104.33	-105.95	-105.10	102.25					
1.03E+08	-106.71	-104.20	-102.18	-103.20	-106.37	-105.66	102.68					
1.03E+08	-106.71	-105.71	-103.81	-104.48	-107.13	-105.82	103.10					
1.04E+08	-106.31	-105.08	-103.69	-104.91	-106.32	-105.71	103.53					
1.04E+08	-107.20	-104.81	-103.92	-104.28	-106.96	-106.28	103.95					
1.04E+08	-106.41	-105.39	-104.76	-105.83	-108.35	-104.97	104.38					
1.05E+08	-106.53	-104.62	-103.69	-104.13	-105.51	-106.04	104.80					
1.05E+08	-107.02	-104.91	-104.19	-104.56	-106.20	-105.88	105.23					
1.06E+08	-107.36	-103.98	-104.55	-104.06	-106.56	-105.29	105.65					
1.06E+08	-105.21	-105.10	-102.47	-103.75	-106.39	-104.92	106.08					
1.07E+08	-105.39	-103.26	-100.39	-102.22	-106.81	-104.34	106.50					

30-200 MHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.			Comparison				
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq MHz	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	minus the Ambient scan				
								dBm	dBm	dBm	dBm	dBm
								6.00	6.00	6.00	6.00	6.00
1.07E+08	-106.26	-105.40	-103.90	-105.16	-105.80	-105.68	106.93					
1.07E+08	-107.28	-105.17	-103.22	-105.22	-105.42	-104.78	107.35					
1.08E+08	-105.74	-104.55	-103.67	-104.97	-106.79	-106.16	107.78					
1.08E+08	-106.88	-106.03	-103.82	-104.21	-107.00	-105.83	108.20					
1.09E+08	-105.57	-104.87	-103.64	-104.81	-106.30	-105.71	108.63					
1.09E+08	-105.63	-104.96	-103.67	-105.18	-106.68	-105.35	109.05					
1.09E+08	-105.23	-104.68	-103.48	-105.01	-106.78	-105.45	109.48					
1.10E+08	-104.32	-103.52	-101.26	-102.33	-106.69	-105.46	109.90					
1.10E+08	-103.34	-102.51	-101.05	-100.67	-107.12	-103.45	110.33					
1.11E+08	-105.77	-104.82	-103.03	-103.82	-107.39	-105.33	110.75					
1.11E+08	-104.78	-104.53	-103.84	-104.76	-106.64	-105.59	111.18					
1.12E+08	-105.50	-104.89	-102.40	-103.54	-106.72	-105.43	111.60					
1.12E+08	-103.81	-104.36	-101.96	-102.35	-106.18	-104.93	112.03					
1.12E+08	-103.83	-103.93	-101.33	-103.54	-106.67	-105.23	112.45					
1.13E+08	-105.75	-104.39	-104.77	-104.05	-106.00	-105.50	112.88					
1.13E+08	-105.34	-105.98	-105.18	-104.58	-106.61	-105.82	113.30					
1.14E+08	-105.39	-105.54	-102.43	-103.18	-106.66	-106.32	113.73					
1.14E+08	-106.56	-105.82	-104.74	-104.18	-106.59	-105.95	114.15					
1.15E+08	-105.57	-105.33	-103.96	-104.83	-106.19	-104.56	114.58					
1.15E+08	-105.79	-105.40	-104.56	-104.45	-106.61	-105.49	115.00					
1.15E+08	-104.66	-104.89	-104.07	-104.56	-106.97	-105.40	115.43					
1.16E+08	-102.09	-101.98	-100.16	-101.31	-106.05	-103.95	115.85					
1.16E+08	-103.82	-103.87	-103.08	-103.71	-107.80	-104.70	116.28					
1.17E+08	-104.94	-105.53	-103.43	-103.81	-107.39	-106.25	116.70					
1.17E+08	-106.28	-105.24	-103.75	-104.83	-106.77	-105.21	117.13					
1.18E+08	-105.36	-105.63	-104.90	-103.97	-107.03	-105.63	117.55					

30-200 MHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.			Comparison				
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq MHz	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	minus the Ambient scan				
								dBm	dBm	dBm	dBm	dBm
1.18E+08	-105.99	-105.92	-104.56	-105.11	-107.29	-105.73	117.98	6.00	6.00	6.00	6.00	6.00
1.18E+08	-105.13	-104.92	-103.36	-104.42	-107.82	-106.27	118.40					
1.19E+08	-105.74	-106.65	-103.69	-104.78	-106.75	-105.86	118.83					
1.19E+08	-106.01	-105.28	-103.78	-103.86	-106.95	-105.71	119.25					
1.20E+08	-103.19	-103.55	-102.31	-103.50	-107.93	-104.93	119.68					
1.20E+08	-105.93	-105.03	-104.35	-104.28	-106.26	-105.68	120.10					
1.21E+08	-105.69	-105.88	-104.81	-105.33	-106.60	-105.74	120.53					
1.21E+08	-106.26	-105.74	-104.92	-106.04	-106.81	-105.05	120.95					
1.21E+08	-106.32	-105.93	-104.64	-104.94	-107.22	-105.18	121.38					
1.22E+08	-106.19	-106.37	-104.79	-105.88	-105.87	-105.37	121.80					
1.22E+08	-107.06	-105.55	-105.55	-105.62	-106.83	-106.64	122.23					
1.23E+08	-106.67	-105.99	-105.24	-106.09	-106.44	-105.07	122.65					
1.23E+08	-107.89	-106.40	-104.93	-106.49	-107.20	-105.39	123.08					
1.24E+08	-106.76	-106.55	-105.96	-106.03	-107.02	-105.09	123.50					
1.24E+08	-106.95	-107.17	-107.27	-105.82	-106.71	-105.93	123.93					
1.24E+08	-103.35	-104.52	-107.25	-105.79	-106.89	-104.64	124.35					
1.25E+08	-107.40	-106.25	-105.97	-106.64	-105.97	-106.38	124.78					
1.25E+08	-106.66	-106.33	-106.09	-105.67	-106.37	-106.15	125.20					
1.26E+08	-102.17	-102.11	-98.84	-102.99	-106.69	-104.86	125.63					
1.26E+08	-107.61	-106.32	-106.13	-106.18	-107.29	-106.17	126.05					
1.26E+08	-107.03	-107.00	-105.95	-106.26	-106.72	-105.37	126.48					
1.27E+08	-106.76	-105.79	-106.57	-106.28	-106.80	-106.19	126.90					
1.27E+08	-106.35	-106.52	-105.40	-106.29	-106.85	-105.44	127.33					
1.28E+08	-106.78	-106.65	-105.87	-106.29	-106.53	-106.23	127.75					
1.28E+08	-106.57	-107.21	-106.37	-106.58	-105.59	-106.22	128.18					
1.29E+08	-106.65	-106.55	-105.74	-106.36	-106.17	-106.23	128.60					

30-200 MHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.			Comparison				
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq MHz	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	minus the Ambient scan				
								dBm	dBm	dBm	dBm	dBm
1.29E+08	-107.65	-105.88	-106.07	-106.71	-106.91	-105.58	129.03	6.00	6.00	6.00	6.00	6.00
1.29E+08	-107.08	-106.33	-106.35	-106.17	-106.07	-105.09	129.45					
1.30E+08	-106.51	-106.42	-105.22	-106.13	-106.69	-106.17	129.88					
1.30E+08	-106.43	-106.26	-106.05	-105.81	-106.66	-105.70	130.30					
1.31E+08	-107.27	-106.02	-106.49	-106.35	-106.17	-105.72	130.73					
1.31E+08	-106.63	-105.62	-105.12	-105.90	-106.84	-105.21	131.15					
1.32E+08	-106.66	-105.89	-106.18	-106.52	-107.70	-105.31	131.58					
1.32E+08	-107.46	-107.37	-105.98	-105.47	-106.85	-105.71	132.00					
1.32E+08	-106.81	-106.01	-106.26	-106.44	-106.71	-105.66	132.43					
1.33E+08	-106.73	-106.05	-106.88	-106.81	-107.01	-106.03	132.85					
1.33E+08	-106.82	-105.79	-104.63	-105.57	-106.00	-106.13	133.28					
1.34E+08	-106.35	-106.40	-105.12	-105.52	-106.74	-106.04	133.70					
1.34E+08	-107.43	-106.44	-106.07	-106.64	-106.09	-105.72	134.13					
1.35E+08	-102.82	-103.25	-101.64	-104.54	-99.74	-95.99	134.55					6.83
1.35E+08	-107.22	-106.39	-105.10	-105.65	-107.07	-105.34	134.98					
1.35E+08	-106.58	-106.26	-105.81	-106.05	-106.99	-106.17	135.40					
1.36E+08	-107.06	-106.03	-105.97	-106.11	-106.07	-106.71	135.83					
1.36E+08	-106.82	-106.49	-105.33	-106.54	-106.58	-106.09	136.25					
1.37E+08	-106.32	-105.93	-106.42	-105.09	-106.87	-105.86	136.68					
1.37E+08	-106.82	-105.05	-105.06	-104.62	-106.30	-105.84	137.10					
1.38E+08	-107.47	-106.75	-105.12	-104.98	-106.59	-106.09	137.53					
1.38E+08	-107.20	-106.64	-106.08	-106.49	-106.74	-105.68	137.95					
1.38E+08	-106.77	-106.15	-105.88	-105.39	-106.79	-106.50	138.38					
1.39E+08	-107.82	-106.13	-106.23	-105.21	-107.50	-105.26	138.80					
1.39E+08	-107.17	-106.45	-105.99	-106.38	-105.79	-106.42	139.23					
1.40E+08	-107.53	-106.52	-106.57	-106.71	-107.07	-106.92	139.65					

30-200 MHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011								Comparison				
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.			14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
6-Jan-11	14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq MHz	minus the Ambient scan					
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	dBm	dBm	dBm	dBm	dBm
1.40E+08	-107.29	-106.00	-106.98	-105.63	-107.14	-106.25	140.08	6.00	6.00	6.00	6.00	6.00
1.41E+08	-107.76	-106.09	-105.80	-104.70	-105.97	-106.80	140.50					
1.41E+08	-107.42	-105.78	-104.93	-106.07	-106.23	-105.79	140.93					
1.41E+08	-107.02	-106.53	-106.69	-104.93	-107.41	-105.73	141.35					
1.42E+08	-106.15	-106.13	-105.84	-104.95	-106.88	-106.45	141.78					
1.42E+08	-106.56	-106.46	-105.34	-105.97	-107.72	-106.00	142.20					
1.43E+08	-106.31	-107.14	-105.54	-106.75	-106.53	-105.93	142.63					
1.43E+08	-107.69	-106.48	-106.66	-106.60	-106.27	-105.29	143.05					
1.43E+08	-106.44	-105.63	-105.67	-106.46	-107.01	-105.60	143.48					
1.44E+08	-106.86	-107.46	-105.09	-106.22	-106.21	-105.74	143.90					
1.44E+08	-106.74	-107.15	-105.63	-107.16	-106.23	-106.69	144.33					
1.45E+08	-107.40	-106.47	-105.85	-105.99	-106.52	-105.95	144.75					
1.45E+08	-107.60	-106.57	-105.66	-106.15	-106.13	-105.96	145.18					
1.46E+08	-106.24	-106.23	-106.17	-105.07	-106.66	-106.26	145.60					
1.46E+08	-107.67	-105.97	-105.80	-106.03	-106.68	-105.12	146.03					
1.46E+08	-105.88	-106.65	-106.38	-106.82	-106.79	-106.31	146.45					
1.47E+08	-107.12	-106.95	-106.44	-105.31	-105.96	-105.36	146.88					
1.47E+08	-107.35	-105.87	-106.87	-106.26	-106.32	-105.50	147.30					
1.48E+08	-108.23	-105.88	-107.05	-106.79	-106.53	-105.68	147.73					
1.48E+08	-107.47	-106.61	-105.90	-105.99	-106.41	-106.93	148.15					
1.49E+08	-107.11	-106.88	-106.73	-105.95	-106.63	-105.92	148.58					
1.49E+08	-106.77	-106.15	-106.04	-106.51	-107.97	-106.20	149.00					
1.49E+08	-106.55	-106.66	-106.41	-106.63	-106.30	-106.18	149.43					
1.50E+08	-107.12	-106.61	-106.16	-106.02	-106.66	-106.82	149.85					
1.50E+08	-106.67	-106.55	-106.29	-106.34	-105.18	-105.45	150.28					
1.51E+08	-107.03	-106.06	-106.38	-105.55	-106.78	-106.34	150.70					

30-200 MHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011								Comparison				
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.			14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq MHz	minus the Ambient scan				
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	dBm	dBm	dBm	dBm	dBm
								6.00	6.00	6.00	6.00	6.00
1.51E+08	-106.96	-106.27	-106.52	-106.46	-106.71	-106.83	151.13					
1.52E+08	-105.94	-106.87	-106.01	-105.66	-106.39	-106.45	151.55					
1.52E+08	-107.09	-106.71	-105.79	-105.80	-106.26	-105.71	151.98					
1.52E+08	-106.20	-106.56	-107.19	-106.22	-106.07	-106.28	152.40					
1.53E+08	-106.98	-106.83	-106.36	-106.25	-106.42	-105.28	152.83					
1.53E+08	-108.00	-106.42	-106.19	-106.28	-106.89	-105.51	153.25					
1.54E+08	-106.97	-106.42	-106.05	-106.47	-106.24	-106.29	153.68					
1.54E+08	-106.24	-107.07	-106.26	-106.42	-106.64	-105.48	154.10					
1.55E+08	-106.71	-106.79	-106.15	-106.10	-107.03	-105.99	154.53					
1.55E+08	-106.31	-106.77	-106.07	-106.68	-106.48	-105.42	154.95					
1.55E+08	-104.21	-103.13	-105.77	-104.19	-105.75	-106.47	155.38					
1.56E+08	-106.22	-104.00	-105.84	-106.07	-106.82	-105.81	155.80					
1.56E+08	-107.87	-106.96	-106.07	-106.18	-105.50	-106.14	156.23					
1.57E+08	-107.71	-106.58	-106.83	-106.68	-106.88	-106.51	156.65					
1.57E+08	-107.10	-106.56	-106.36	-105.58	-106.49	-106.02	157.08					
1.58E+08	-106.70	-107.57	-106.13	-105.22	-106.23	-106.03	157.50					
1.58E+08	-106.83	-106.32	-105.52	-105.61	-102.69	-105.36	157.93					
1.58E+08	-107.76	-106.58	-106.21	-105.42	-106.47	-105.33	158.35					
1.59E+08	-107.83	-106.73	-106.49	-106.70	-106.47	-106.22	158.78					
1.59E+08	-106.83	-106.63	-105.78	-105.66	-106.17	-106.05	159.20					
1.60E+08	-108.32	-107.13	-106.94	-106.53	-106.83	-106.95	159.63					
1.60E+08	-106.18	-106.71	-106.34	-106.94	-106.60	-105.86	160.05					
1.60E+08	-106.43	-106.80	-106.33	-106.26	-105.96	-105.68	160.48					
1.61E+08	-106.96	-106.32	-105.84	-105.17	-106.22	-105.57	160.90					
1.61E+08	-107.28	-106.74	-105.99	-105.76	-106.38	-106.03	161.33					
1.62E+08	-107.05	-106.31	-105.42	-106.34	-106.54	-106.11	161.75					

30-200 MHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.			Comparison				
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq MHz	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	dBm	dBm	dBm	dBm	dBm
								6.00	6.00	6.00	6.00	6.00
1.62E+08	-106.68	-105.93	-105.77	-105.13	-105.99	-105.14	162.18					
1.63E+08	-107.64	-105.50	-106.35	-105.83	-107.18	-105.84	162.60					
1.63E+08	-106.36	-106.42	-105.93	-106.13	-106.46	-105.99	163.03					
1.63E+08	-106.33	-107.05	-106.07	-106.01	-106.06	-105.34	163.45					
1.64E+08	-106.89	-105.73	-106.78	-105.96	-106.95	-105.91	163.88					
1.64E+08	-107.50	-105.92	-106.83	-105.87	-107.16	-106.60	164.30					
1.65E+08	-107.63	-106.99	-106.20	-107.04	-106.13	-105.48	164.73					
1.65E+08	-107.65	-106.25	-106.77	-106.60	-106.41	-105.21	165.15					
1.66E+08	-106.89	-106.64	-106.32	-107.01	-106.36	-106.97	165.58					
1.66E+08	-106.94	-106.13	-106.25	-106.35	-106.44	-106.75	166.00					
1.66E+08	-107.65	-106.28	-105.97	-105.71	-106.16	-106.31	166.43					
1.67E+08	-106.71	-105.92	-105.78	-106.49	-106.91	-105.95	166.85					
1.67E+08	-106.87	-105.59	-105.96	-106.79	-107.01	-105.43	167.28					
1.68E+08	-107.40	-106.64	-105.79	-106.04	-106.87	-105.60	167.70					
1.68E+08	-107.13	-106.77	-106.84	-105.69	-106.09	-106.06	168.13					
1.69E+08	-106.94	-106.04	-106.31	-106.48	-106.27	-106.31	168.55					
1.69E+08	-106.59	-106.18	-106.33	-106.56	-105.89	-105.64	168.98					
1.69E+08	-106.64	-105.61	-105.68	-105.66	-106.03	-105.73	169.40					
1.70E+08	-107.10	-107.16	-106.02	-106.07	-106.28	-106.54	169.83					
1.70E+08	-107.03	-106.21	-106.06	-106.06	-107.02	-105.59	170.25					
1.71E+08	-107.47	-106.36	-105.84	-106.24	-106.51	-105.86	170.68					
1.71E+08	-106.23	-106.39	-105.86	-105.89	-106.23	-106.47	171.10					
1.72E+08	-107.00	-107.15	-105.90	-106.17	-100.13	-104.65	171.53				6.86	
1.72E+08	-106.99	-106.74	-105.90	-106.19	-106.53	-105.94	171.95					
1.72E+08	-107.60	-106.36	-106.23	-105.92	-105.92	-105.86	172.38					
1.73E+08	-107.44	-106.35	-106.13	-106.07	-106.63	-105.71	172.80					

30-200 MHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.			Comparison				
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq MHz	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	dBm	dBm	dBm	dBm	dBm
								6.00	6.00	6.00	6.00	6.00
1.73E+08	-106.83	-106.72	-106.19	-105.68	-106.17	-105.12	173.23					
1.74E+08	-106.45	-105.91	-105.82	-106.11	-106.28	-106.21	173.65					
1.74E+08	-106.99	-106.84	-105.38	-106.40	-105.80	-106.50	174.08					
1.75E+08	-106.39	-107.28	-106.33	-106.72	-107.60	-106.57	174.50					
1.75E+08	-107.42	-106.59	-106.14	-105.97	-106.14	-105.57	174.93					
1.75E+08	-106.33	-107.44	-105.02	-106.16	-105.94	-105.42	175.35					
1.76E+08	-106.92	-107.26	-106.54	-105.89	-105.59	-106.59	175.78					
1.76E+08	-107.44	-106.57	-106.54	-107.29	-107.03	-106.02	176.20					
1.77E+08	-107.01	-106.77	-105.77	-105.95	-106.16	-105.39	176.63					
1.77E+08	-106.43	-105.56	-106.40	-106.22	-106.94	-106.13	177.05					
1.77E+08	-107.18	-107.37	-105.56	-106.57	-106.72	-105.28	177.48					
1.78E+08	-106.83	-107.61	-105.94	-105.51	-106.25	-105.57	177.90					
1.78E+08	-107.20	-107.48	-105.82	-106.22	-105.93	-106.27	178.33					
1.79E+08	-106.26	-107.21	-107.03	-106.04	-106.89	-105.08	178.75					
1.79E+08	-106.92	-106.36	-106.06	-106.28	-106.64	-105.88	179.18					
1.80E+08	-105.46	-106.80	-107.06	-106.04	-106.46	-105.68	179.60					
1.80E+08	-108.30	-107.52	-105.68	-107.07	-106.97	-105.67	180.03					
1.80E+08	-106.90	-105.87	-105.73	-106.24	-107.45	-105.19	180.45					
1.81E+08	-106.89	-107.06	-105.47	-105.82	-106.68	-106.25	180.88					
1.81E+08	-107.59	-107.29	-105.60	-105.79	-106.57	-106.20	181.30					
1.82E+08	-106.97	-107.04	-106.53	-105.89	-106.37	-105.68	181.73					
1.82E+08	-106.57	-106.56	-106.53	-105.77	-105.74	-105.75	182.15					
1.83E+08	-107.42	-107.22	-105.70	-106.77	-106.57	-106.17	182.58					
1.83E+08	-106.75	-106.21	-106.05	-105.92	-106.33	-106.69	183.00					
1.83E+08	-106.98	-106.41	-106.08	-106.24	-106.52	-106.78	183.43					
1.84E+08	-106.62	-106.31	-106.73	-106.09	-105.97	-105.96	183.85					

30-200 MHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.			Comparison				
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq MHz	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	dBm	dBm	dBm	dBm	dBm
1.84E+08	-107.97	-106.61	-105.63	-106.42	-105.53	-105.24	184.28	6.00	6.00	6.00	6.00	6.00
1.85E+08	-106.43	-106.20	-106.22	-106.11	-105.82	-105.64	184.70					
1.85E+08	-107.12	-106.77	-105.40	-106.56	-106.22	-105.45	185.13					
1.86E+08	-106.89	-106.10	-106.10	-105.31	-106.56	-106.30	185.55					
1.86E+08	-107.88	-106.47	-105.63	-106.21	-106.36	-106.06	185.98					
1.86E+08	-106.64	-106.43	-106.67	-106.86	-106.73	-105.49	186.40					
1.87E+08	-106.09	-107.24	-106.40	-105.85	-107.36	-106.03	186.83					
1.87E+08	-106.57	-107.03	-105.30	-105.74	-107.35	-105.25	187.25					
1.88E+08	-107.46	-106.10	-106.58	-106.22	-106.79	-106.03	187.68					
1.88E+08	-107.46	-106.97	-105.45	-105.94	-107.24	-105.44	188.10					
1.89E+08	-106.66	-106.87	-105.91	-105.33	-107.30	-106.48	188.53					
1.89E+08	-106.85	-106.98	-106.45	-107.29	-106.24	-105.72	188.95					
1.89E+08	-107.05	-107.19	-106.05	-106.47	-105.83	-105.15	189.38					
1.90E+08	-106.94	-106.72	-106.62	-105.49	-107.04	-105.70	189.80					
1.90E+08	-107.98	-106.39	-105.54	-107.09	-106.28	-106.63	190.23					
1.91E+08	-107.77	-105.86	-106.85	-106.81	-106.20	-106.06	190.65					
1.91E+08	-106.64	-106.37	-106.03	-105.79	-106.46	-106.20	191.08					
1.92E+08	-106.79	-106.21	-106.19	-105.62	-105.97	-106.26	191.50					
1.92E+08	-107.15	-105.70	-106.41	-106.24	-106.40	-105.63	191.93					
1.92E+08	-107.79	-106.30	-105.67	-105.85	-106.82	-106.03	192.35					
1.93E+08	-107.85	-106.84	-106.18	-106.60	-106.17	-105.27	192.78					
1.93E+08	-106.51	-106.14	-106.68	-106.00	-106.17	-105.85	193.20					
1.94E+08	-106.96	-106.76	-106.56	-105.99	-107.12	-105.30	193.63					
1.94E+08	-106.97	-106.22	-105.82	-106.27	-106.50	-106.05	194.05					
1.94E+08	-107.17	-107.00	-106.29	-105.31	-107.08	-105.75	194.48					
1.95E+08	-107.55	-106.67	-106.05	-106.64	-106.62	-106.79	194.90					

30-200 MHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011								Comparison				
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.			14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq MHz	minus the Ambient scan				
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	dBm	dBm	dBm	dBm	dBm
1.95E+08	-107.48	-106.27	-105.32	-106.04	-106.27	-105.69	195.33	6.00	6.00	6.00	6.00	6.00
1.96E+08	-107.33	-107.36	-106.00	-107.05	-105.86	-105.09	195.75					
1.96E+08	-107.01	-106.27	-107.17	-106.11	-106.51	-106.36	196.18					
1.97E+08	-107.18	-106.58	-106.36	-105.63	-106.44	-105.73	196.60					
1.97E+08	-106.36	-106.68	-105.85	-106.43	-106.66	-106.13	197.03					
1.97E+08	-106.97	-107.14	-106.13	-105.86	-105.62	-105.67	197.45					
1.98E+08	-107.14	-106.29	-106.93	-105.96	-106.76	-104.73	197.88					
1.98E+08	-106.57	-106.67	-106.04	-107.39	-106.35	-105.63	198.30					
1.99E+08	-107.79	-106.02	-105.99	-106.77	-106.73	-105.45	198.73					
1.99E+08	-106.66	-106.62	-105.53	-106.81	-105.29	-105.57	199.15					
2.00E+08	-106.47	-105.92	-105.62	-105.68	-106.09	-106.39	199.58					
2.00E+08	-107.62	-106.37	-105.38	-106.00	-106.47	-104.82	200.0					
Sum of column								28.28	57.69	11.25	1.95	8.78

Attenuation (dB)
0

Center Frequency (Hz)
115000000

Date/Time
1/6/2011 12:36

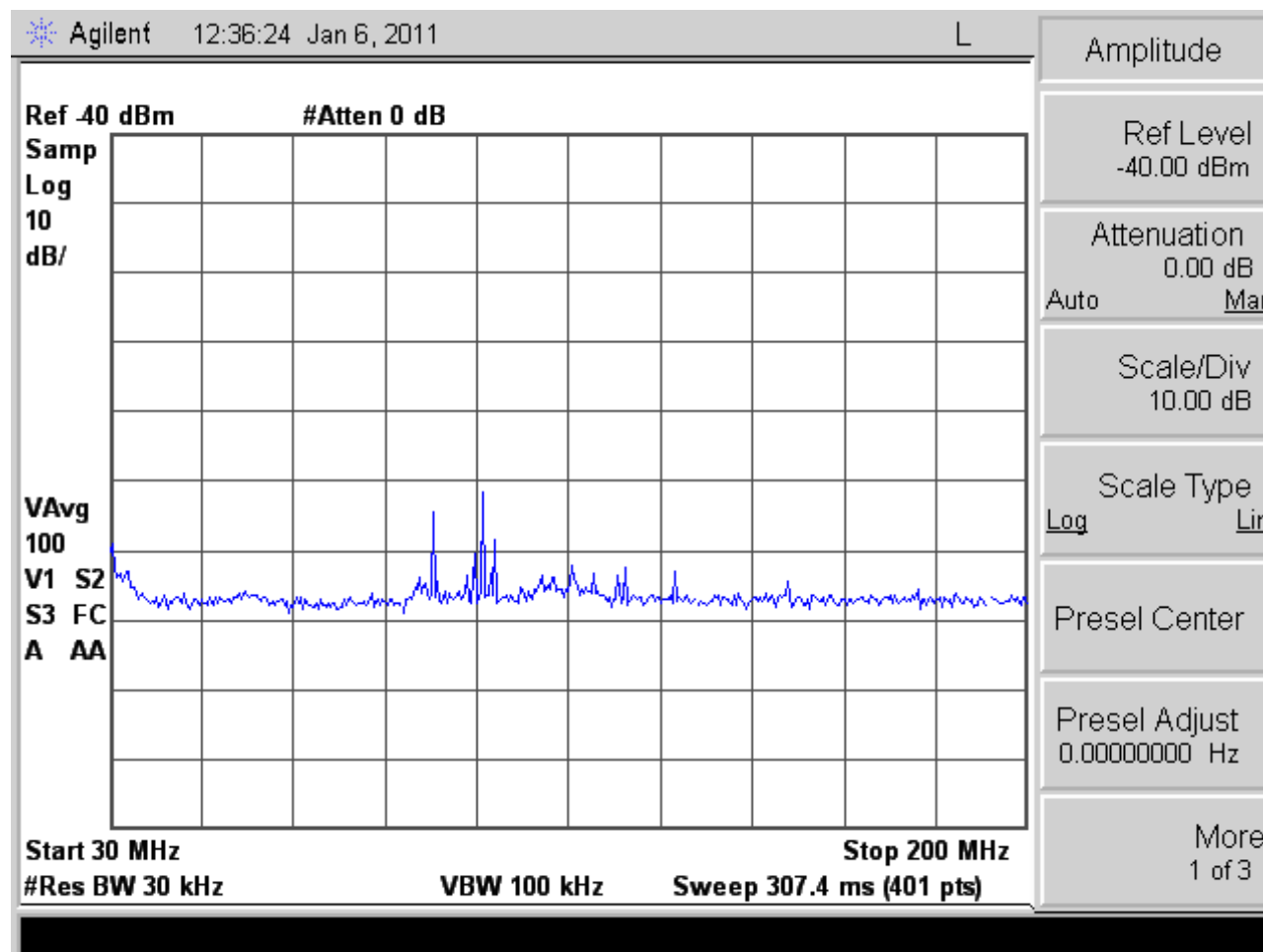
Instrument Model
E4407B

Instrument Serial Number
MY45116875

Reference Level (dBm)
-40

Resolution BW (Hz)
30000

Scale Type
LOG



Span Frequency (Hz)
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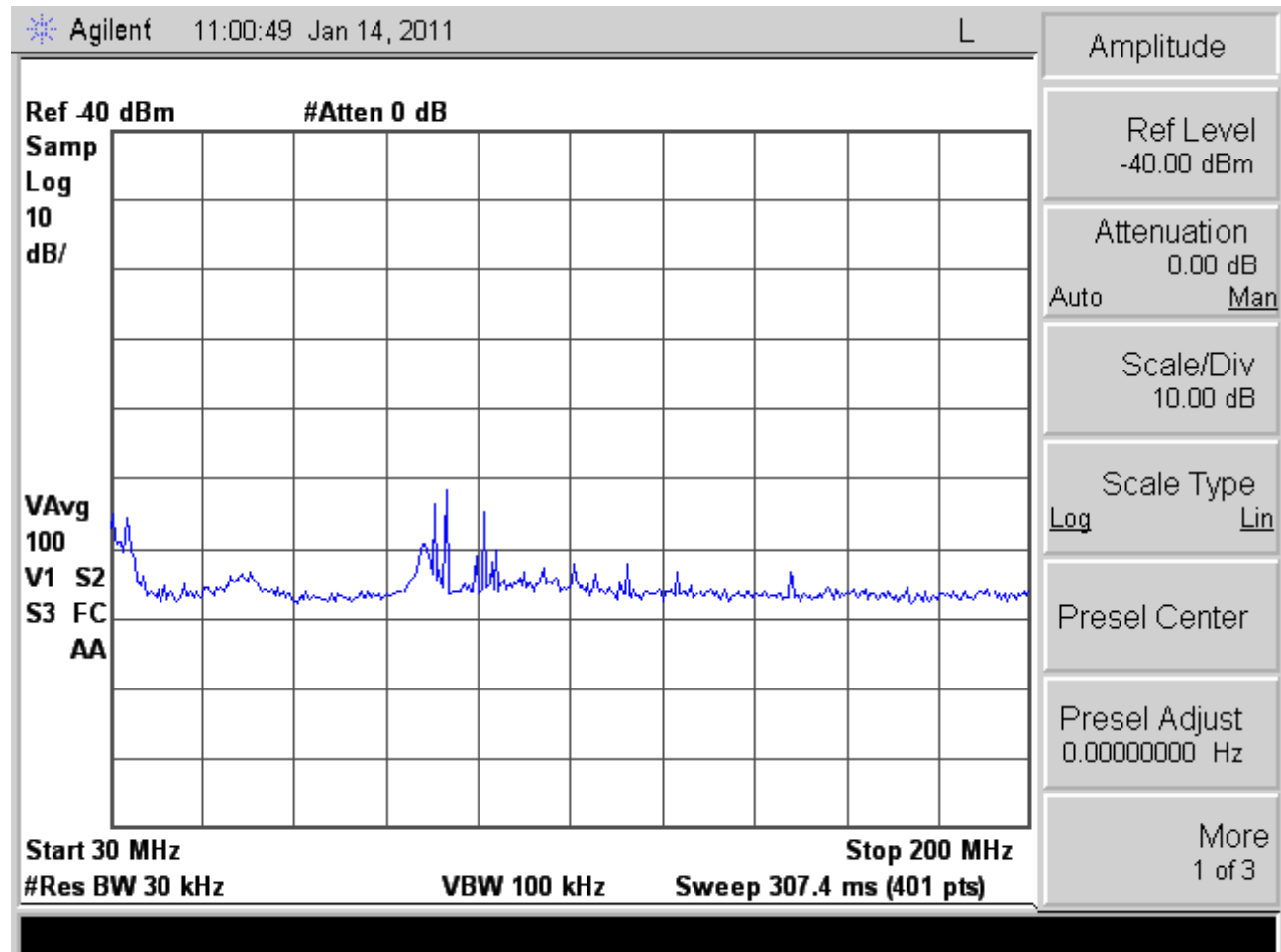
Start Frequency (Hz)
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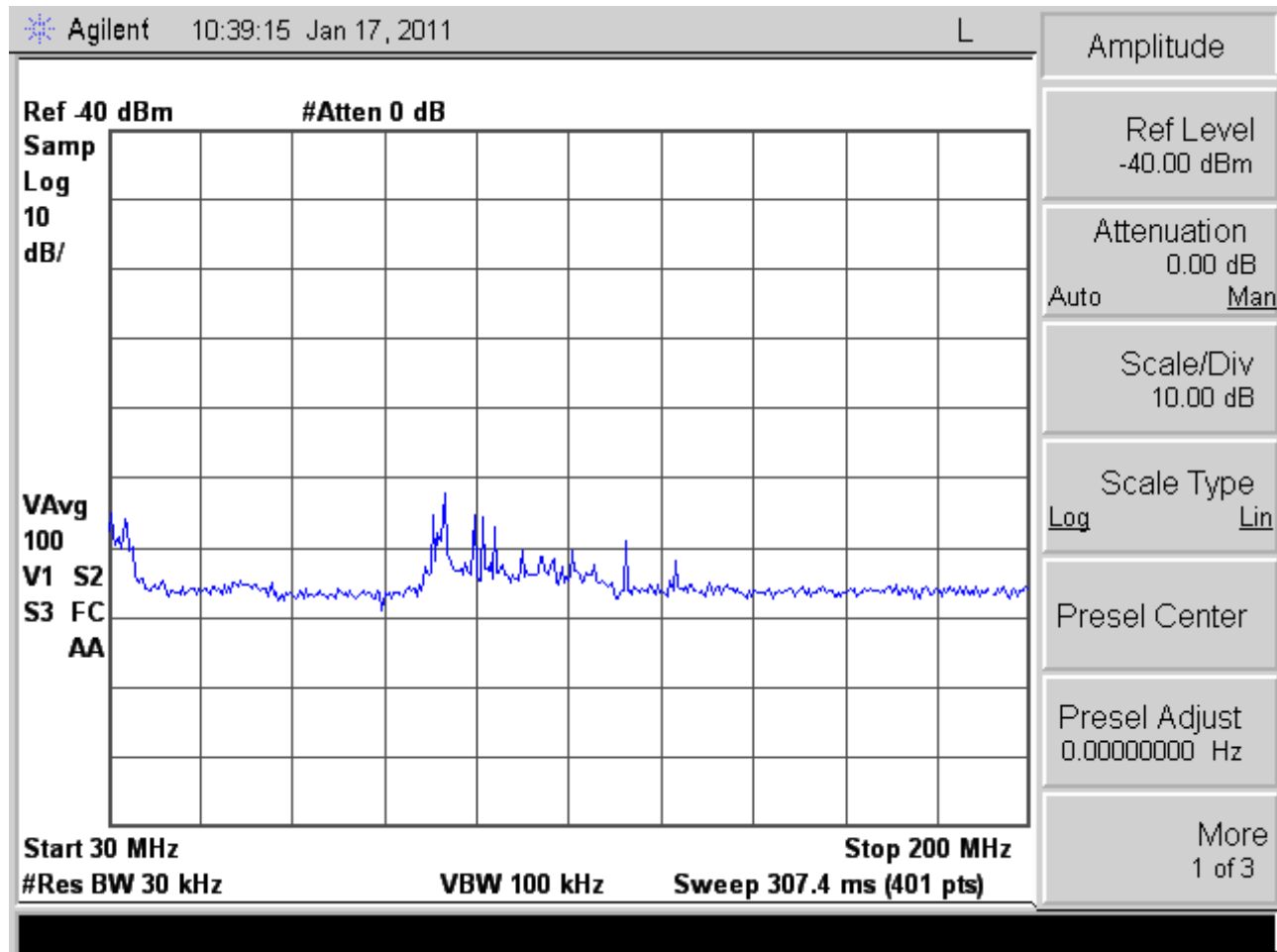
Stop Frequency (Hz)
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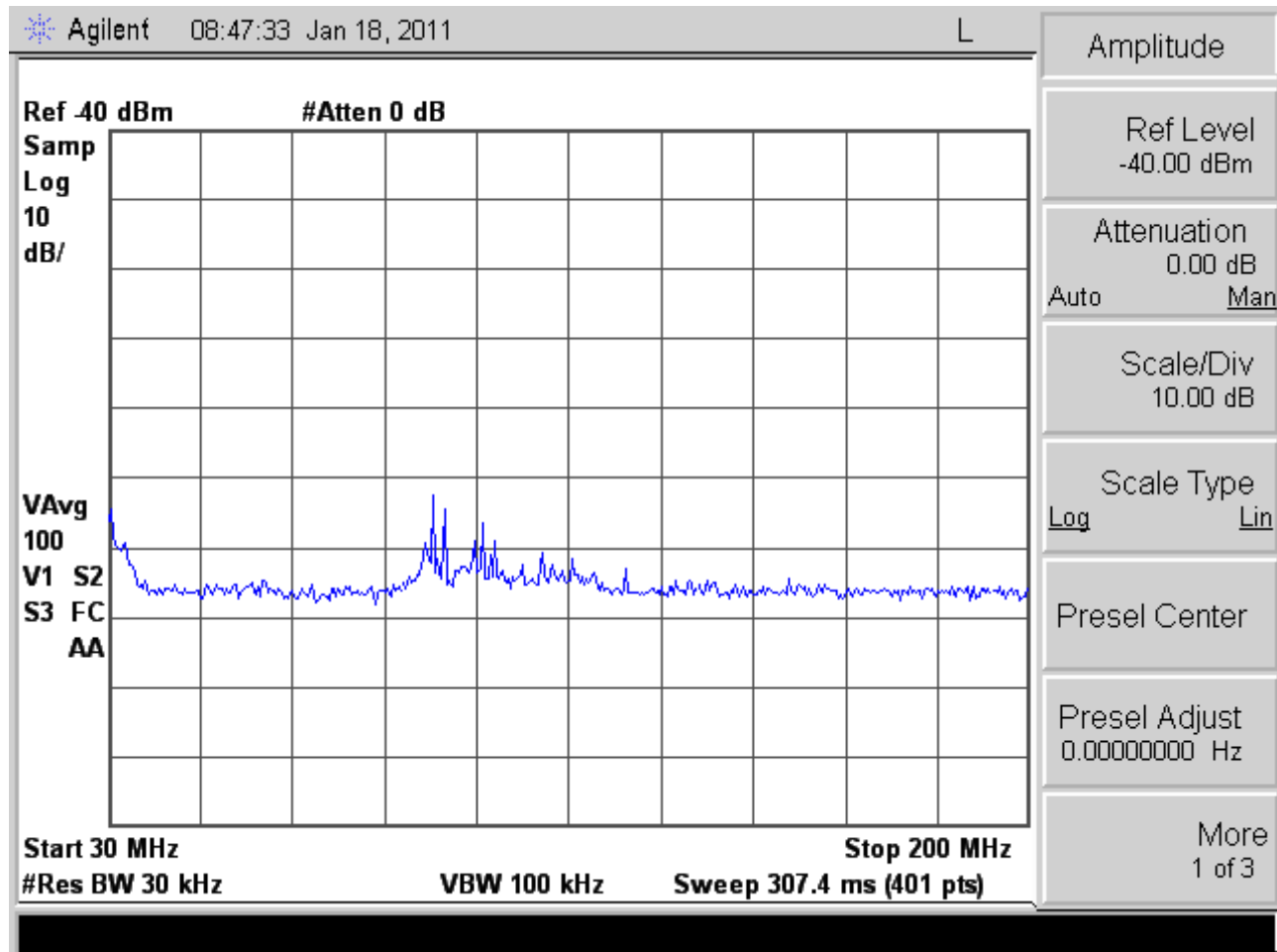
Sweep Number Of Points
401

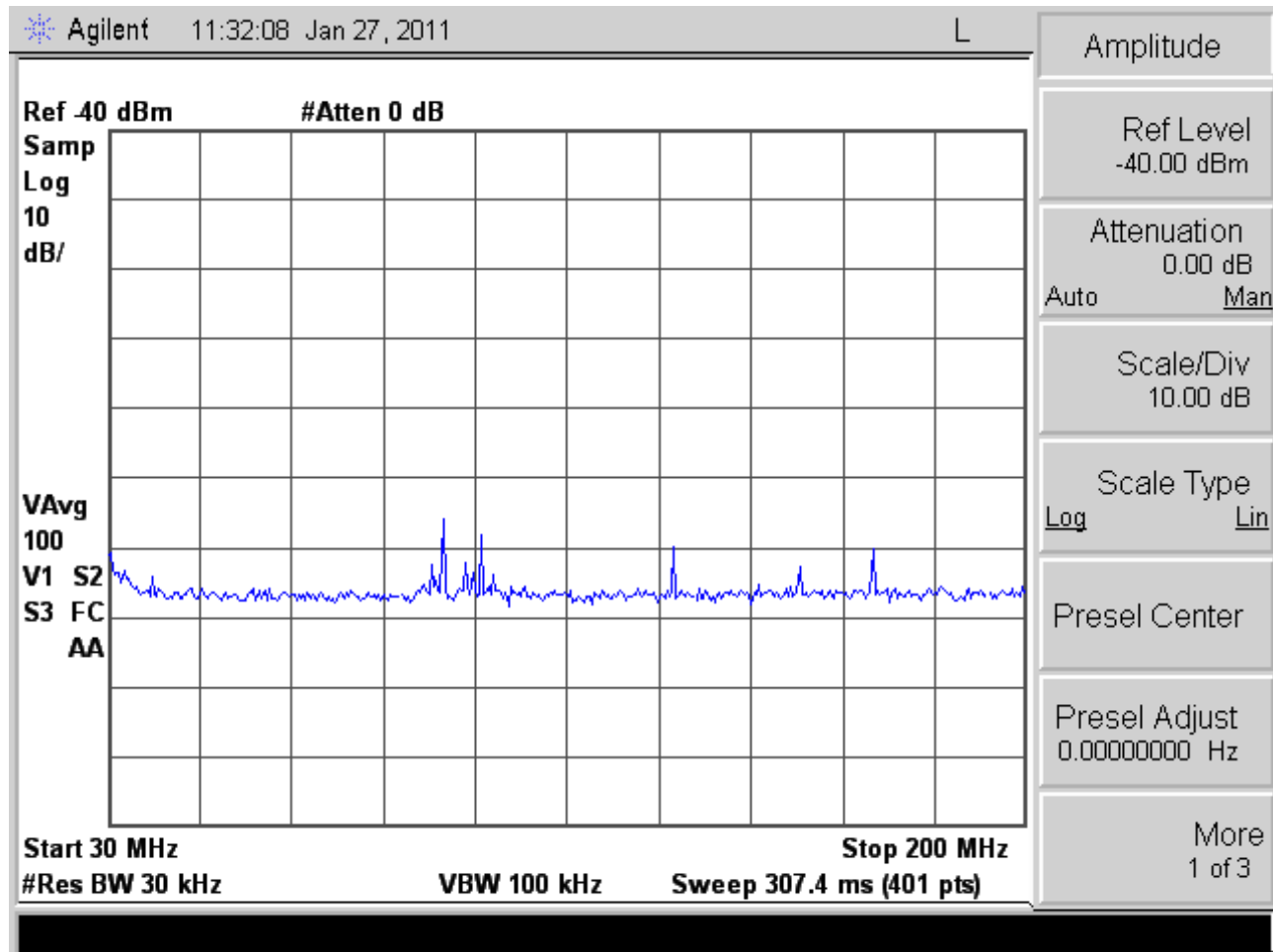
Sweep Time (seconds)
0

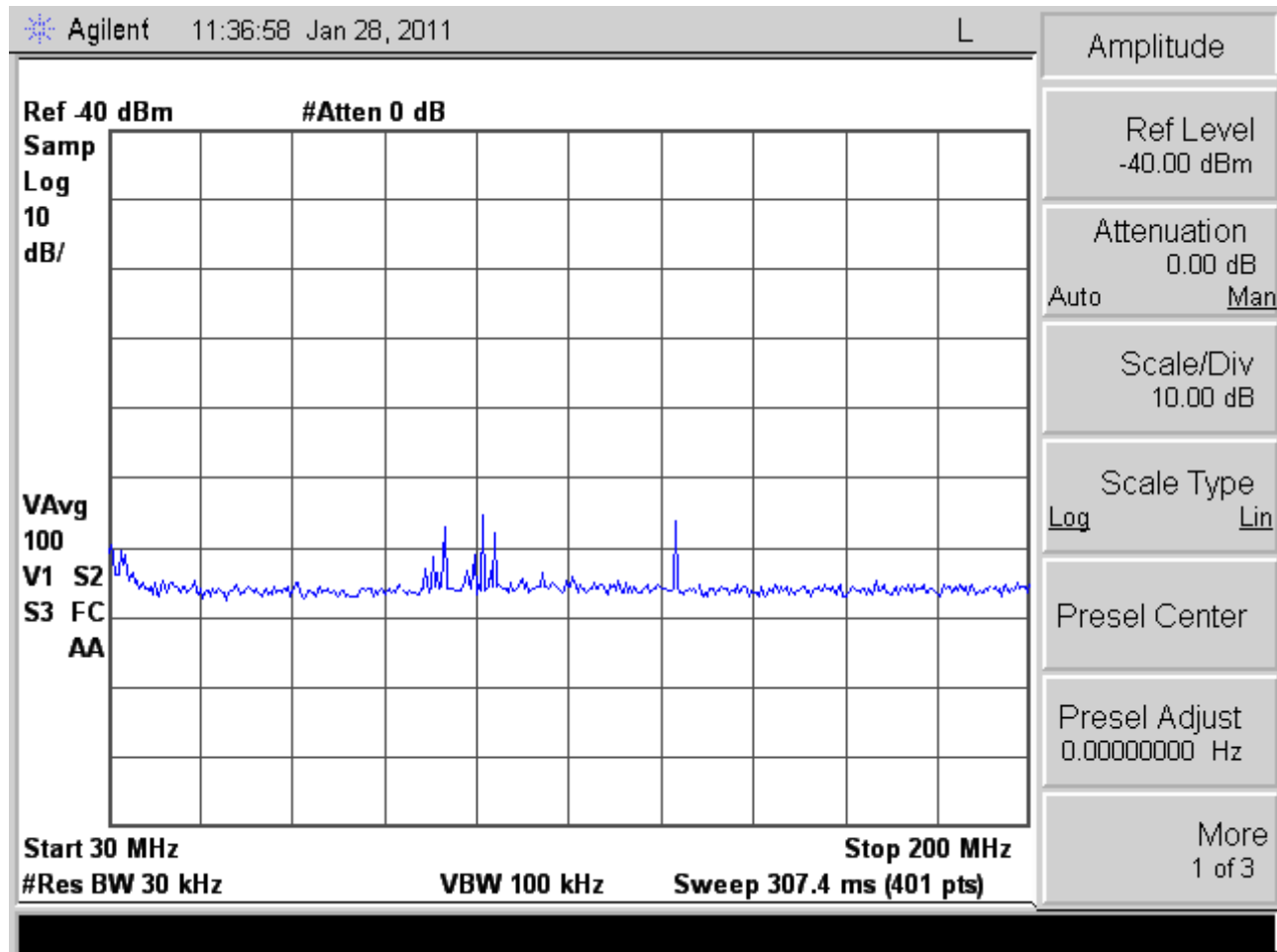
Video BW (Hz)
100000











200-500 MHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011											
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.		Comparison				
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq MHz	14-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	dBm	dBm	dBm	dBm
2.00E+08	-108.96	-107.01	-108.16	-107.14	-107.34	-106.79	200.00	3.00	3.00	3.00	3.00
2.01E+08	-108.05	-108.43	-107.57	-107.72	-107.12	-106.63	200.75				
2.02E+08	-108.31	-107.45	-107.07	-107.69	-106.61	-107.32	201.50				
2.02E+08	-107.64	-107.79	-107.66	-107.35	-108.05	-107.52	202.25				
2.03E+08	-108.57	-107.04	-107.58	-107.48	-107.49	-107.99	203.00				
2.04E+08	-107.56	-107.65	-106.90	-108.20	-108.18	-106.67	203.75				
2.05E+08	-108.33	-107.83	-106.72	-107.02	-108.45	-106.58	204.50				
2.05E+08	-107.50	-106.67	-107.48	-107.71	-108.09	-106.36	205.25				
2.06E+08	-108.20	-108.09	-107.30	-107.14	-107.64	-107.02	206.00				
2.07E+08	-107.58	-106.51	-107.42	-107.93	-107.82	-106.29	206.75				
2.08E+08	-107.23	-107.19	-107.00	-107.56	-107.45	-107.34	207.50				
2.08E+08	-107.71	-107.13	-107.65	-107.06	-107.09	-107.74	208.25				
2.09E+08	-108.57	-108.21	-107.28	-107.69	-107.35	-107.69	209.00				
2.10E+08	-107.99	-106.98	-107.69	-107.95	-106.37	-107.45	209.75				
2.11E+08	-107.77	-107.29	-107.57	-107.16	-106.68	-106.89	210.50				
2.11E+08	-108.10	-107.53	-108.22	-107.64	-107.51	-107.55	211.25				
2.12E+08	-108.25	-106.90	-107.72	-106.96	-107.50	-106.81	212.00				
2.13E+08	-108.03	-107.59	-107.59	-107.73	-107.25	-106.98	212.75				
2.14E+08	-108.31	-106.50	-107.05	-107.86	-107.26	-106.97	213.50				
2.14E+08	-108.45	-107.05	-107.29	-107.78	-107.75	-107.73	214.25				
2.15E+08	-107.66	-107.94	-107.26	-106.75	-107.57	-107.37	215.00				
2.16E+08	-107.80	-106.96	-107.35	-106.89	-107.11	-106.62	215.75				
2.17E+08	-107.62	-108.14	-107.17	-107.90	-107.47	-106.59	216.50				
2.17E+08	-108.12	-107.68	-106.83	-106.98	-108.03	-107.99	217.25				
2.18E+08	-108.84	-107.88	-107.05	-106.84	-107.86	-108.20	218.00				

200-500 MHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011											
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.		Comparison				
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq MHz	14-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	minus the Ambient scan dBm			
								3.00	3.00	3.00	3.00
2.19E+08	-107.88	-107.60	-107.20	-107.62	-108.01	-108.31	218.75				
2.20E+08	-107.26	-106.94	-107.05	-107.14	-108.35	-107.52	219.50				
2.20E+08	-108.22	-106.81	-106.35	-107.32	-106.91	-105.93	220.25				
2.21E+08	-107.29	-106.65	-107.74	-107.78	-108.60	-106.85	221.00				
2.22E+08	-108.05	-107.28	-107.54	-106.56	-107.16	-106.61	221.75				
2.23E+08	-107.56	-107.74	-107.40	-106.53	-108.01	-106.44	222.50				
2.23E+08	-107.22	-107.44	-107.14	-107.30	-106.63	-106.19	223.25				
2.24E+08	-107.57	-108.17	-106.72	-106.74	-107.62	-106.50	224.00				
2.25E+08	-108.12	-106.21	-106.97	-108.10	-107.24	-107.28	224.75				
2.26E+08	-107.07	-106.81	-107.55	-107.49	-107.78	-106.51	225.50				
2.26E+08	-107.45	-107.38	-107.77	-106.82	-107.34	-106.55	226.25				
2.27E+08	-108.14	-108.00	-107.41	-107.72	-107.94	-107.45	227.00				
2.28E+08	-107.67	-108.18	-106.95	-108.50	-106.93	-106.35	227.75				
2.29E+08	-107.86	-107.09	-107.15	-107.26	-107.69	-106.90	228.50				
2.29E+08	-108.42	-106.84	-107.35	-107.24	-107.69	-107.49	229.25				
2.30E+08	-108.06	-106.90	-108.08	-107.63	-107.99	-106.81	230.00				
2.31E+08	-107.69	-106.79	-106.60	-107.29	-107.14	-106.66	230.75				
2.32E+08	-106.75	-107.70	-107.08	-107.71	-107.20	-106.21	231.50				
2.32E+08	-106.98	-107.87	-106.50	-107.44	-107.20	-106.82	232.25				
2.33E+08	-107.77	-107.04	-107.42	-107.25	-105.79	-107.10	233.00				
2.34E+08	-107.11	-107.23	-106.55	-107.51	-107.78	-107.19	233.75				
2.35E+08	-107.12	-106.69	-107.36	-107.57	-107.88	-106.85	234.50				
2.35E+08	-107.74	-107.36	-107.28	-107.58	-106.89	-106.79	235.25				
2.36E+08	-107.36	-107.34	-107.53	-107.41	-107.72	-106.99	236.00				
2.37E+08	-108.74	-107.19	-107.76	-107.19	-106.83	-106.39	236.75				
2.38E+08	-108.03	-106.83	-107.87	-107.51	-108.16	-106.51	237.50				

200-500 MHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011											
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.		Comparison				
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	minus the Ambient scan				
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Freq MHz Enter Limit >	dBm	dBm	dBm	dBm
								3.00	3.00	3.00	3.00
2.38E+08	-107.59	-107.22	-107.29	-107.28	-107.57	-105.88	238.25				
2.39E+08	-107.77	-108.05	-107.94	-107.40	-107.63	-106.61	239.00				
2.40E+08	-107.91	-107.23	-107.83	-107.44	-108.11	-106.90	239.75				
2.41E+08	-107.75	-107.81	-108.05	-107.18	-107.05	-106.03	240.50				
2.41E+08	-107.90	-106.79	-107.30	-108.30	-107.59	-106.49	241.25				
2.42E+08	-107.61	-107.63	-106.65	-107.83	-107.45	-107.80	242.00				
2.43E+08	-109.25	-106.32	-106.38	-107.84	-107.72	-107.67	242.75				
2.44E+08	-107.36	-107.11	-106.71	-106.29	-107.76	-106.99	243.50				
2.44E+08	-107.30	-107.29	-107.24	-107.63	-106.67	-106.28	244.25				
2.45E+08	-108.13	-107.62	-107.34	-107.76	-107.60	-106.62	245.00				
2.46E+08	-107.96	-106.15	-107.75	-107.96	-106.79	-106.96	245.75				
2.47E+08	-108.02	-107.10	-107.78	-106.69	-107.43	-106.29	246.50				
2.47E+08	-108.30	-108.02	-107.00	-107.95	-106.89	-107.27	247.25				
2.48E+08	-107.70	-107.82	-107.37	-106.10	-106.76	-107.57	248.00				
2.49E+08	-108.10	-107.53	-107.00	-107.17	-107.91	-106.71	248.75				
2.50E+08	-107.81	-107.10	-106.85	-107.17	-108.09	-106.73	249.50				
2.50E+08	-108.04	-107.37	-107.41	-107.36	-106.89	-106.77	250.25				
2.51E+08	-108.39	-107.26	-107.34	-107.85	-107.56	-106.45	251.00				
2.52E+08	-107.49	-107.08	-107.23	-106.49	-107.32	-107.68	251.75				
2.53E+08	-107.86	-107.05	-106.78	-108.02	-108.19	-106.03	252.50				
2.53E+08	-107.49	-108.26	-106.85	-107.19	-107.72	-106.60	253.25				
2.54E+08	-107.18	-107.04	-106.49	-106.80	-107.59	-106.30	254.00				
2.55E+08	-107.19	-107.08	-106.81	-108.18	-107.21	-105.86	254.75				
2.56E+08	-108.53	-107.31	-107.24	-108.13	-106.99	-106.27	255.50				
2.56E+08	-108.12	-106.67	-107.24	-107.03	-107.05	-106.69	256.25				
2.57E+08	-108.79	-107.19	-107.40	-108.30	-107.82	-106.86	257.00				

200-500 MHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011											
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.		Comparison				
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	minus the Ambient scan				
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Freq MHz Enter Limit >	dBm	dBm	dBm	dBm
2.58E+08	-107.00	-107.60	-107.34	-107.06	-107.05	-107.08	257.75	3.00	3.00	3.00	3.00
2.59E+08	-108.72	-107.76	-106.79	-107.66	-108.06	-108.23	258.50				
2.59E+08	-108.48	-107.38	-107.76	-107.42	-107.73	-107.76	259.25				
2.60E+08	-107.37	-106.10	-106.89	-107.20	-107.58	-106.13	260.00				
2.61E+08	-107.70	-107.53	-107.15	-106.89	-107.43	-107.69	260.75				
2.62E+08	-106.35	-106.35	-107.22	-107.69	-107.72	-106.07	261.50				
2.62E+08	-107.33	-107.49	-106.70	-107.32	-107.18	-106.59	262.25				
2.63E+08	-107.92	-106.63	-107.51	-106.62	-107.43	-106.74	263.00				
2.64E+08	-107.40	-107.13	-107.47	-107.21	-107.61	-107.04	263.75				
2.65E+08	-107.38	-107.57	-107.85	-107.18	-107.09	-106.30	264.50				
2.65E+08	-108.09	-108.04	-107.23	-106.73	-107.63	-106.88	265.25				
2.66E+08	-108.35	-106.98	-107.46	-107.53	-106.93	-106.65	266.00				
2.67E+08	-107.48	-107.35	-107.29	-107.88	-107.01	-105.89	266.75				
2.68E+08	-107.88	-107.15	-107.87	-107.37	-107.81	-107.03	267.50				
2.68E+08	-106.94	-107.18	-107.31	-107.93	-106.87	-106.28	268.25				
2.69E+08	-108.18	-106.92	-107.67	-106.37	-106.97	-106.15	269.00				
2.70E+08	-107.85	-107.71	-106.91	-107.30	-107.70	-106.67	269.75				
2.71E+08	-107.26	-107.08	-106.56	-107.11	-106.85	-106.79	270.50				
2.71E+08	-107.17	-106.66	-106.68	-107.43	-106.76	-106.67	271.25				
2.72E+08	-107.61	-107.07	-107.19	-107.09	-107.41	-106.57	272.00				
2.73E+08	-108.10	-106.74	-107.18	-107.84	-106.44	-107.05	272.75				
2.74E+08	-108.09	-107.26	-107.17	-107.18	-107.09	-107.02	273.50				
2.74E+08	-107.07	-107.45	-107.39	-107.99	-107.39	-106.41	274.25				
2.75E+08	-107.98	-107.14	-106.60	-107.41	-106.75	-106.89	275.00				
2.76E+08	-108.11	-108.07	-108.06	-107.30	-107.52	-107.73	275.75				
2.77E+08	-107.62	-106.66	-107.18	-106.82	-107.61	-106.37	276.50				

200-500 MHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011											
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.		Comparison				
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	minus the Ambient scan				
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Freq MHz Enter Limit >	dBm	dBm	dBm	dBm
								3.00	3.00	3.00	3.00
2.77E+08	-106.94	-108.12	-107.23	-106.59	-108.02	-106.16	277.25				
2.78E+08	-108.21	-107.50	-106.83	-107.23	-106.76	-106.52	278.00				
2.79E+08	-107.57	-107.01	-107.20	-106.93	-106.08	-106.92	278.75				
2.80E+08	-107.39	-106.16	-107.61	-106.13	-106.77	-106.72	279.50				
2.80E+08	-107.89	-107.32	-107.16	-107.08	-107.01	-106.34	280.25				
2.81E+08	-107.56	-107.00	-107.18	-106.61	-107.79	-106.71	281.00				
2.82E+08	-107.37	-107.21	-106.94	-107.75	-106.93	-106.75	281.75				
2.83E+08	-108.82	-107.33	-107.30	-107.54	-107.30	-106.01	282.50				
2.83E+08	-108.23	-107.61	-106.17	-107.95	-107.38	-106.21	283.25				
2.84E+08	-107.45	-107.51	-107.66	-107.19	-107.24	-105.98	284.00				
2.85E+08	-107.09	-107.05	-107.70	-107.58	-107.40	-106.99	284.75				
2.86E+08	-107.25	-107.37	-107.16	-106.79	-106.29	-106.88	285.50				
2.86E+08	-107.68	-107.63	-106.76	-107.74	-107.35	-106.58	286.25				
2.87E+08	-107.48	-107.49	-107.49	-107.26	-106.58	-106.83	287.00				
2.88E+08	-106.68	-107.96	-106.91	-108.23	-107.42	-106.76	287.75				
2.89E+08	-107.55	-106.49	-107.46	-108.15	-106.86	-106.96	288.50				
2.89E+08	-107.31	-107.66	-107.21	-106.90	-106.86	-106.10	289.25				
2.90E+08	-108.21	-106.35	-107.52	-107.37	-107.12	-106.89	290.00				
2.91E+08	-108.47	-106.65	-107.21	-106.74	-106.19	-105.92	290.75				
2.92E+08	-107.86	-106.16	-107.78	-107.49	-107.14	-106.16	291.50				
2.92E+08	-106.96	-108.06	-106.36	-107.68	-107.48	-106.34	292.25				
2.93E+08	-108.03	-106.67	-107.00	-106.40	-107.52	-107.25	293.00				
2.94E+08	-107.80	-107.60	-106.85	-107.74	-107.05	-106.64	293.75				
2.95E+08	-107.85	-106.80	-107.00	-106.92	-107.85	-107.20	294.50				
2.95E+08	-107.73	-107.12	-106.64	-106.93	-107.19	-106.07	295.25				
2.96E+08	-107.73	-107.50	-107.07	-105.95	-106.41	-107.06	296.00				

200-500 MHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011											
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.		Comparison				
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq MHz	14-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	minus the Ambient scan dBm			
								3.00	3.00	3.00	3.00
2.97E+08	-107.29	-107.05	-106.85	-106.54	-106.57	-106.33	296.75				
2.98E+08	-107.86	-107.74	-107.86	-106.56	-106.20	-106.29	297.50				
2.98E+08	-107.89	-106.77	-107.13	-106.32	-107.75	-106.36	298.25				
2.99E+08	-108.09	-106.89	-107.36	-107.04	-106.93	-106.67	299.00				
3.00E+08	-107.31	-106.45	-106.61	-106.49	-106.46	-106.41	299.75				
3.01E+08	-107.16	-107.19	-108.08	-107.03	-106.76	-107.27	300.50				
3.01E+08	-107.05	-108.21	-107.52	-107.23	-106.97	-107.12	301.25				
3.02E+08	-107.10	-105.83	-106.82	-107.40	-106.32	-106.28	302.00				
3.03E+08	-107.76	-107.83	-106.30	-106.95	-107.30	-107.52	302.75				
3.04E+08	-107.53	-107.75	-107.30	-106.45	-106.67	-105.97	303.50				
3.04E+08	-107.01	-106.38	-107.05	-107.45	-106.73	-106.66	304.25				
3.05E+08	-106.92	-107.44	-106.92	-106.28	-107.99	-107.00	305.00				
3.06E+08	-107.28	-106.95	-106.80	-107.66	-106.74	-107.11	305.75				
3.07E+08	-107.92	-107.29	-106.87	-107.67	-107.65	-106.27	306.50				
3.07E+08	-107.80	-107.88	-106.86	-107.21	-107.26	-107.42	307.25				
3.08E+08	-105.96	-105.90	-106.53	-107.02	-107.39	-106.25	308.00				
3.09E+08	-107.60	-107.00	-107.26	-107.62	-106.69	-106.25	308.75				
3.10E+08	-106.87	-106.19	-105.83	-107.02	-107.02	-106.41	309.50				
3.10E+08	-107.38	-106.90	-106.47	-106.89	-107.37	-106.57	310.25				
3.11E+08	-106.97	-106.36	-107.54	-107.10	-107.35	-106.17	311.00				
3.12E+08	-107.58	-107.45	-107.67	-108.43	-106.43	-106.68	311.75				
3.13E+08	-107.75	-107.64	-107.13	-106.73	-107.15	-106.94	312.50				
3.13E+08	-106.65	-106.72	-106.53	-106.32	-106.56	-106.58	313.25				
3.14E+08	-107.33	-107.07	-106.37	-107.30	-107.67	-106.42	314.00				
3.15E+08	-107.19	-106.92	-106.49	-106.93	-106.10	-105.35	314.75				
3.16E+08	-107.54	-107.55	-106.75	-106.84	-106.47	-106.10	315.50				

200-500 MHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011											
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.		Comparison				
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq MHz	14-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	minus the Ambient scan			
								dBm	dBm	dBm	dBm
								3.00	3.00	3.00	3.00
3.16E+08	-107.80	-106.61	-106.63	-106.88	-106.83	-106.57	316.25				
3.17E+08	-107.35	-106.39	-106.80	-106.39	-107.60	-106.22	317.00				
3.18E+08	-107.43	-106.19	-107.17	-106.54	-107.12	-105.76	317.75				
3.19E+08	-107.28	-107.89	-106.67	-107.00	-107.51	-108.20	318.50				
3.19E+08	-106.65	-106.49	-107.27	-106.32	-106.38	-107.38	319.25				
3.20E+08	-107.18	-106.75	-106.39	-106.43	-106.04	-106.81	320.00				
3.21E+08	-107.11	-106.57	-107.05	-106.12	-106.91	-106.97	320.75				
3.22E+08	-107.25	-106.37	-107.08	-106.27	-107.21	-105.82	321.50				
3.22E+08	-106.86	-106.60	-105.98	-106.57	-106.37	-106.06	322.25				
3.23E+08	-107.57	-107.09	-105.82	-106.89	-106.45	-106.77	323.00				
3.24E+08	-106.76	-107.09	-106.38	-106.66	-105.93	-107.21	323.75				
3.25E+08	-107.12	-106.22	-106.86	-106.56	-107.15	-106.11	324.50				
3.25E+08	-107.47	-106.68	-106.61	-107.45	-106.24	-105.72	325.25				
3.26E+08	-107.05	-106.11	-106.28	-105.87	-106.39	-106.75	326.00				
3.27E+08	-107.47	-106.33	-106.95	-107.38	-106.77	-107.11	326.75				
3.28E+08	-106.93	-107.04	-105.64	-106.93	-106.46	-105.68	327.50				
3.28E+08	-107.75	-107.43	-107.30	-107.42	-107.02	-105.79	328.25				
3.29E+08	-106.76	-106.58	-106.45	-106.73	-106.83	-106.29	329.00				
3.30E+08	-106.95	-106.35	-106.80	-106.54	-106.32	-105.65	329.75				
3.31E+08	-106.74	-107.40	-106.29	-107.04	-106.07	-106.63	330.50				
3.31E+08	-107.09	-106.22	-106.59	-107.32	-106.42	-105.99	331.25				
3.32E+08	-107.18	-107.38	-106.24	-106.34	-107.59	-105.59	332.00				
3.33E+08	-106.96	-106.12	-106.44	-106.80	-106.36	-106.15	332.75				
3.34E+08	-107.07	-106.86	-106.80	-107.90	-106.66	-107.26	333.50				
3.34E+08	-107.75	-106.68	-107.66	-106.04	-106.64	-105.94	334.25				
3.35E+08	-106.00	-106.81	-106.23	-106.74	-106.68	-106.83	335.00				

200-500 MHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011											
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.		Comparison				
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq MHz	14-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	minus the Ambient scan			
								dBm	dBm	dBm	dBm
								3.00	3.00	3.00	3.00
3.36E+08	-107.03	-106.51	-106.86	-107.26	-106.01	-105.63	335.75				
3.37E+08	-106.42	-106.48	-107.17	-106.95	-106.56	-106.04	336.50				
3.37E+08	-106.81	-106.85	-106.66	-105.85	-107.71	-106.78	337.25				
3.38E+08	-107.19	-106.89	-106.16	-107.15	-107.19	-106.47	338.00				
3.39E+08	-107.22	-107.00	-106.38	-106.75	-106.69	-106.44	338.75				
3.40E+08	-107.24	-106.07	-106.69	-106.85	-107.80	-105.96	339.50				
3.40E+08	-107.19	-106.26	-106.05	-107.35	-106.95	-105.92	340.25				
3.41E+08	-107.21	-107.01	-106.67	-106.49	-107.33	-105.79	341.00				
3.42E+08	-107.30	-106.79	-106.48	-106.24	-106.35	-106.86	341.75				
3.43E+08	-106.75	-107.12	-106.95	-107.22	-105.94	-105.94	342.50				
3.43E+08	-107.08	-106.05	-106.29	-106.84	-106.58	-105.76	343.25				
3.44E+08	-107.33	-106.05	-107.33	-106.28	-106.51	-105.34	344.00				
3.45E+08	-106.77	-107.05	-106.29	-106.37	-106.02	-106.12	344.75				
3.46E+08	-107.84	-107.07	-106.93	-106.65	-106.21	-105.94	345.50				
3.46E+08	-106.71	-106.49	-106.90	-106.56	-105.79	-106.96	346.25				
3.47E+08	-107.59	-106.07	-106.32	-106.54	-106.46	-106.50	347.00				
3.48E+08	-106.63	-106.81	-105.73	-107.26	-107.41	-105.92	347.75				
3.49E+08	-106.67	-105.57	-107.01	-105.90	-107.78	-106.45	348.50				
3.49E+08	-106.96	-107.46	-107.34	-106.37	-106.49	-105.65	349.25				
3.50E+08	-106.94	-106.35	-106.40	-105.86	-105.42	-106.16	350.00				
3.51E+08	-107.19	-107.74	-106.75	-107.19	-106.72	-106.80	350.75				
3.52E+08	-106.61	-105.97	-107.09	-107.15	-106.47	-106.64	351.50				
3.52E+08	-106.86	-107.36	-106.35	-107.23	-106.68	-105.92	352.25				
3.53E+08	-106.45	-106.03	-106.34	-106.77	-106.87	-106.21	353.00				
3.54E+08	-107.80	-106.47	-105.70	-105.88	-106.33	-105.81	353.75				
3.55E+08	-107.03	-105.29	-106.86	-106.62	-105.87	-105.81	354.50				

200-500 MHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011											
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.		Comparison				
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	minus the Ambient scan				
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Freq MHz Enter Limit >	dBm	dBm	dBm	dBm
								3.00	3.00	3.00	3.00
3.55E+08	-106.05	-106.32	-106.58	-105.50	-106.01	-105.54	355.25				
3.56E+08	-106.68	-106.84	-106.44	-106.53	-106.54	-107.17	356.00				
3.57E+08	-106.40	-106.93	-106.37	-107.35	-106.10	-105.89	356.75				
3.58E+08	-107.00	-106.21	-105.73	-106.77	-105.76	-106.78	357.50				
3.58E+08	-106.47	-107.15	-107.17	-106.74	-105.93	-106.35	358.25				
3.59E+08	-106.92	-105.87	-106.75	-106.18	-106.65	-107.02	359.00				
3.60E+08	-107.28	-107.13	-106.88	-106.75	-105.97	-106.32	359.75				
3.61E+08	-106.80	-105.93	-106.48	-106.41	-106.52	-107.22	360.50				
3.61E+08	-105.76	-106.63	-106.78	-106.58	-106.53	-105.48	361.25				
3.62E+08	-107.96	-106.79	-106.46	-106.16	-106.53	-105.45	362.00				
3.63E+08	-107.11	-105.76	-106.45	-106.60	-106.81	-106.96	362.75				
3.64E+08	-107.43	-106.62	-106.63	-106.79	-106.41	-107.30	363.50				
3.64E+08	-107.10	-106.95	-106.45	-106.73	-105.85	-105.71	364.25				
3.65E+08	-106.57	-106.54	-106.55	-106.62	-106.81	-106.40	365.00				
3.66E+08	-106.93	-106.26	-106.13	-107.01	-106.85	-106.29	365.75				
3.67E+08	-106.08	-106.03	-106.80	-106.91	-106.78	-106.46	366.50				
3.67E+08	-106.35	-106.57	-107.16	-106.95	-107.00	-107.27	367.25				
3.68E+08	-106.97	-106.51	-106.45	-105.89	-107.40	-106.09	368.00				
3.69E+08	-106.90	-106.04	-106.54	-106.96	-107.11	-106.27	368.75				
3.70E+08	-106.07	-107.80	-105.64	-106.76	-106.91	-107.49	369.50				
3.70E+08	-107.06	-106.16	-106.37	-106.67	-106.49	-106.17	370.25				
3.71E+08	-106.68	-106.06	-106.25	-107.25	-106.92	-106.77	371.00				
3.72E+08	-108.21	-107.07	-106.74	-107.37	-106.32	-105.72	371.75				
3.73E+08	-106.92	-106.29	-106.61	-105.77	-106.12	-105.60	372.50				
3.73E+08	-107.84	-107.47	-106.89	-107.06	-106.54	-107.08	373.25				
3.74E+08	-106.31	-107.47	-106.52	-107.53	-106.97	-105.66	374.00				

200-500 MHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011											
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.		Comparison				
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	minus the Ambient scan				
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Freq MHz Enter Limit >	dBm	dBm	dBm	dBm
3.75E+08	-107.63	-106.43	-106.73	-106.19	-106.54	-106.03	374.75	3.00	3.00	3.00	3.00
3.76E+08	-106.62	-106.39	-107.45	-106.36	-106.69	-105.83	375.50				
3.76E+08	-107.00	-106.49	-106.31	-106.76	-106.42	-105.90	376.25				
3.77E+08	-106.41	-106.33	-107.18	-106.57	-106.42	-106.42	377.00				
3.78E+08	-107.21	-107.72	-106.46	-106.71	-106.47	-106.26	377.75				
3.79E+08	-106.36	-106.27	-106.31	-106.62	-106.19	-105.36	378.50				
3.79E+08	-106.47	-106.90	-106.29	-106.59	-106.03	-106.34	379.25				
3.80E+08	-106.93	-106.68	-106.49	-106.17	-106.86	-106.57	380.00				
3.81E+08	-107.03	-106.77	-105.82	-106.92	-106.56	-105.36	380.75				
3.82E+08	-107.30	-106.69	-106.79	-107.37	-105.51	-105.31	381.50				
3.82E+08	-107.76	-106.38	-106.46	-105.89	-107.82	-106.21	382.25				
3.83E+08	-107.43	-106.06	-107.59	-106.19	-107.21	-105.83	383.00				
3.84E+08	-106.58	-106.93	-106.79	-106.72	-107.32	-105.48	383.75				
3.85E+08	-106.29	-106.12	-106.25	-107.07	-106.42	-105.82	384.50				
3.85E+08	-106.54	-106.98	-106.08	-106.37	-106.95	-106.46	385.25				
3.86E+08	-106.73	-107.08	-106.83	-107.10	-107.47	-105.76	386.00				
3.87E+08	-107.16	-106.69	-106.91	-106.37	-107.11	-105.99	386.75				
3.88E+08	-107.30	-106.65	-105.24	-106.44	-106.48	-106.36	387.50				
3.88E+08	-106.84	-107.56	-106.81	-106.59	-106.61	-106.06	388.25				
3.89E+08	-107.31	-106.72	-106.64	-106.80	-107.06	-106.48	389.00				
3.90E+08	-106.16	-107.13	-107.65	-106.65	-106.02	-106.61	389.75				
3.91E+08	-107.11	-107.25	-106.86	-106.54	-106.63	-106.19	390.50				
3.91E+08	-107.02	-106.84	-106.19	-105.90	-107.43	-105.63	391.25				
3.92E+08	-107.36	-105.71	-106.92	-106.46	-107.36	-106.96	392.00				
3.93E+08	-107.23	-106.62	-107.08	-107.32	-106.95	-106.37	392.75				
3.94E+08	-107.01	-107.44	-106.56	-106.71	-106.86	-106.74	393.50				

200-500 MHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011											
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.		Comparison				
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq MHz	14-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	minus the Ambient scan			
								dBm	dBm	dBm	dBm
								3.00	3.00	3.00	3.00
3.94E+08	-106.24	-107.18	-106.19	-106.04	-107.25	-106.34	394.25				
3.95E+08	-106.69	-106.49	-106.57	-105.62	-106.44	-106.21	395.00				
3.96E+08	-106.94	-106.53	-106.98	-106.35	-107.82	-106.99	395.75				
3.97E+08	-106.55	-107.11	-107.26	-107.61	-106.58	-105.88	396.50				
3.97E+08	-107.94	-106.15	-106.65	-106.71	-106.74	-106.15	397.25				
3.98E+08	-107.06	-105.98	-106.10	-106.44	-106.99	-105.94	398.00				
3.99E+08	-106.61	-106.20	-106.64	-106.91	-107.00	-106.96	398.75				
4.00E+08	-106.82	-106.38	-105.97	-106.95	-106.23	-106.03	399.50				
4.00E+08	-106.72	-106.39	-106.68	-107.02	-105.92	-106.89	400.25				
4.01E+08	-107.76	-106.96	-106.51	-106.81	-107.45	-105.38	401.00				
4.02E+08	-107.21	-106.70	-106.49	-107.16	-106.58	-105.73	401.75				
4.03E+08	-106.31	-107.01	-106.40	-106.82	-106.89	-106.85	402.50				
4.03E+08	-107.45	-107.19	-105.73	-107.14	-105.86	-106.68	403.25				
4.04E+08	-106.92	-106.49	-106.92	-106.75	-107.06	-105.64	404.00				
4.05E+08	-106.56	-106.54	-107.29	-106.73	-106.72	-106.15	404.75				
4.06E+08	-106.41	-106.73	-106.50	-106.70	-106.04	-105.86	405.50				
4.06E+08	-107.07	-106.05	-106.38	-107.13	-106.20	-105.53	406.25				
4.07E+08	-108.18	-105.99	-106.51	-106.62	-107.24	-105.54	407.00				
4.08E+08	-107.15	-107.37	-106.27	-106.22	-105.80	-106.09	407.75				
4.09E+08	-107.82	-107.51	-106.33	-106.81	-106.90	-105.93	408.50				
4.09E+08	-107.04	-107.25	-107.17	-106.67	-106.13	-105.92	409.25				
4.10E+08	-107.15	-107.18	-107.63	-106.76	-106.74	-105.93	410.00				
4.11E+08	-107.13	-108.00	-107.29	-107.21	-107.62	-105.51	410.75				
4.12E+08	-107.00	-106.94	-105.96	-106.98	-107.40	-106.63	411.50				
4.12E+08	-106.82	-106.30	-106.58	-106.43	-106.78	-106.49	412.25				
4.13E+08	-106.47	-106.93	-106.78	-107.10	-107.44	-106.51	413.00				

200-500 MHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011											
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.		Comparison				
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq MHz	14-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	minus the Ambient scan			
								dBm	dBm	dBm	dBm
								3.00	3.00	3.00	3.00
4.14E+08	-106.83	-107.16	-106.72	-106.67	-107.21	-106.40	413.75				
4.15E+08	-107.64	-106.26	-107.17	-105.65	-107.21	-105.79	414.50				
4.15E+08	-107.05	-106.42	-106.98	-106.69	-106.99	-106.15	415.25				
4.16E+08	-106.77	-106.21	-106.96	-107.04	-107.00	-106.64	416.00				
4.17E+08	-107.02	-106.22	-106.40	-106.86	-106.79	-106.26	416.75				
4.18E+08	-107.79	-106.36	-106.86	-106.64	-106.99	-106.44	417.50				
4.18E+08	-106.07	-106.97	-106.29	-106.73	-106.94	-106.27	418.25				
4.19E+08	-107.13	-106.17	-106.26	-106.96	-106.82	-106.37	419.00				
4.20E+08	-106.79	-106.92	-107.30	-106.93	-107.23	-106.62	419.75				
4.21E+08	-106.14	-107.07	-106.15	-107.05	-106.99	-106.63	420.50				
4.21E+08	-106.28	-107.00	-107.01	-106.27	-106.25	-105.84	421.25				
4.22E+08	-106.67	-104.15	-106.36	-106.56	-106.68	-106.51	422.00				
4.23E+08	-106.96	-103.86	-106.82	-106.56	-106.64	-106.59	422.75	3.10			
4.24E+08	-106.18	-103.45	-106.41	-106.42	-106.13	-105.93	423.50				
4.24E+08	-107.03	-106.24	-107.08	-107.04	-106.38	-105.11	424.25				
4.25E+08	-107.59	-107.23	-106.73	-107.09	-106.52	-106.66	425.00				
4.26E+08	-107.75	-106.28	-106.33	-106.79	-106.47	-106.37	425.75				
4.27E+08	-106.76	-106.98	-107.11	-106.53	-106.59	-106.41	426.50				
4.27E+08	-107.03	-106.12	-106.29	-106.57	-107.50	-105.65	427.25				
4.28E+08	-107.49	-107.40	-107.34	-108.06	-106.31	-105.56	428.00				
4.29E+08	-107.25	-107.36	-107.01	-106.36	-106.33	-106.50	428.75				
4.30E+08	-107.22	-107.03	-105.90	-106.76	-107.25	-106.16	429.50				
4.30E+08	-106.79	-106.11	-106.95	-106.12	-106.54	-106.69	430.25				
4.31E+08	-106.60	-106.57	-106.26	-106.46	-106.20	-105.47	431.00				
4.32E+08	-107.16	-106.50	-106.68	-106.33	-107.10	-106.49	431.75				
4.33E+08	-107.27	-106.90	-106.83	-106.66	-106.70	-106.68	432.50				

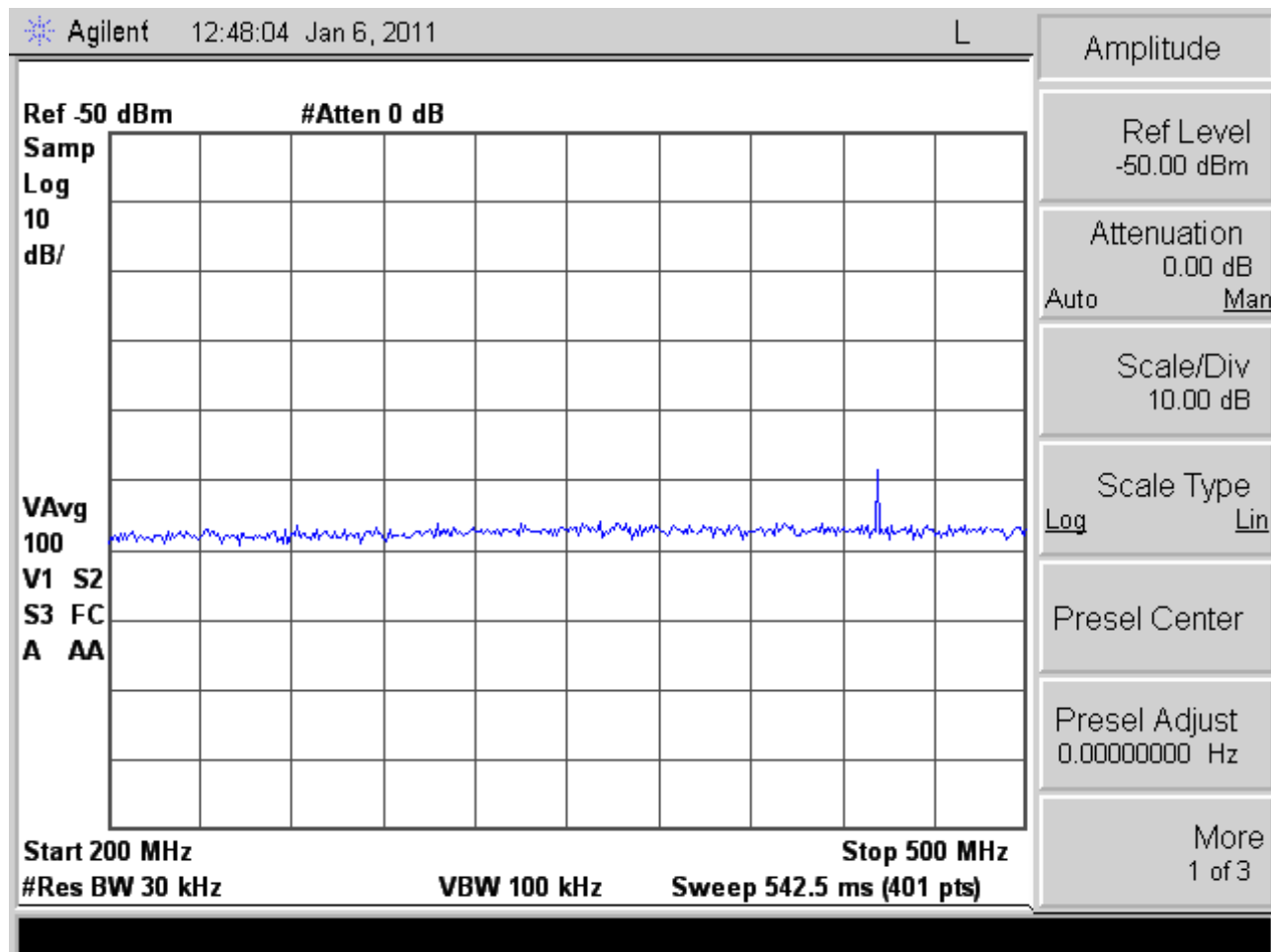
200-500 MHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011											
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.		Comparison				
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq MHz	14-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	minus the Ambient scan			
								dBm	dBm	dBm	dBm
								3.00	3.00	3.00	3.00
4.33E+08	-106.02	-106.20	-106.08	-105.78	-106.49	-106.18	433.25				
4.34E+08	-107.32	-106.18	-106.77	-106.84	-106.18	-107.17	434.00				
4.35E+08	-106.45	-106.04	-106.87	-107.47	-106.03	-106.24	434.75				
4.36E+08	-107.24	-106.07	-106.43	-106.91	-106.68	-106.08	435.50				
4.36E+08	-106.57	-106.44	-106.28	-105.97	-107.15	-105.88	436.25				
4.37E+08	-106.89	-106.93	-107.21	-105.93	-106.82	-106.39	437.00				
4.38E+08	-107.75	-107.04	-106.31	-107.17	-106.55	-105.70	437.75				
4.39E+08	-106.63	-106.37	-107.23	-107.35	-107.08	-106.85	438.50				
4.39E+08	-107.11	-106.83	-106.25	-106.21	-107.01	-106.35	439.25				
4.40E+08	-106.60	-106.94	-106.30	-107.63	-106.58	-106.43	440.00				
4.41E+08	-107.06	-107.05	-107.77	-106.48	-107.25	-106.06	440.75				
4.42E+08	-107.20	-106.16	-106.65	-106.86	-106.52	-106.09	441.50				
4.42E+08	-106.97	-106.38	-106.24	-106.96	-107.27	-106.30	442.25				
4.43E+08	-107.26	-106.19	-106.52	-106.06	-106.45	-106.61	443.00				
4.44E+08	-107.16	-105.97	-105.86	-106.87	-107.01	-105.82	443.75				
4.45E+08	-106.64	-106.14	-106.87	-106.29	-107.70	-105.65	444.50				
4.45E+08	-107.45	-106.77	-106.14	-106.27	-106.36	-106.25	445.25				
4.46E+08	-106.23	-106.20	-106.10	-106.14	-107.19	-106.48	446.00				
4.47E+08	-107.56	-106.55	-107.02	-106.45	-106.31	-107.15	446.75				
4.48E+08	-106.54	-106.22	-106.75	-106.25	-106.76	-107.18	447.50				
4.48E+08	-106.27	-106.92	-106.92	-106.54	-106.47	-106.11	448.25				
4.49E+08	-107.92	-107.95	-106.83	-106.52	-106.75	-106.96	449.00				
4.50E+08	-106.77	-107.27	-106.14	-106.72	-106.05	-105.86	449.75				
4.51E+08	-107.01	-106.47	-107.02	-107.06	-106.34	-105.16	450.50				
4.51E+08	-98.65	-102.94	-105.54	-103.75	-105.17	-106.34	451.25	-4.29	-5.10	-6.52	-7.68
4.52E+08	-107.55	-107.04	-106.11	-106.80	-106.93	-105.58	452.00				

200-500 MHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011										
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.		Comparison			
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	14- Jan 18- Jan 27- Jan 28- Jan			
		minus the Ambient scan								
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Freq MHz	dBm	dBm	dBm
							Enter Limit >	3.00	3.00	3.00
4.53E+08	-106.90	-105.79	-105.79	-106.33	-106.65	-106.16	452.75			
4.54E+08	-107.30	-106.15	-105.69	-106.45	-106.71	-106.10	453.50			
4.54E+08	-106.56	-106.34	-106.27	-106.69	-106.07	-106.74	454.25			
4.55E+08	-108.35	-107.17	-106.64	-106.66	-107.06	-105.88	455.00			
4.56E+08	-106.42	-106.38	-106.84	-106.23	-106.68	-105.81	455.75			
4.57E+08	-107.52	-106.92	-106.73	-106.96	-106.31	-106.22	456.50			
4.57E+08	-107.45	-107.38	-106.32	-106.92	-106.56	-106.23	457.25			
4.58E+08	-107.07	-106.31	-106.90	-106.41	-106.39	-106.43	458.00			
4.59E+08	-107.03	-106.30	-107.08	-107.55	-105.99	-106.40	458.75			
4.60E+08	-106.87	-106.43	-107.63	-106.28	-106.98	-104.83	459.50			
4.60E+08	-106.66	-106.09	-106.76	-106.11	-107.71	-105.89	460.25			
4.61E+08	-107.54	-104.83	-106.71	-107.28	-106.99	-103.78	461.00			3.76
4.62E+08	-107.22	-106.26	-105.92	-106.95	-107.19	-106.03	461.75			
4.63E+08	-106.31	-107.88	-106.92	-106.52	-106.43	-106.36	462.50			
4.63E+08	-108.28	-106.44	-106.91	-106.53	-106.92	-107.78	463.25			
4.64E+08	-106.96	-106.59	-107.76	-107.75	-107.88	-106.95	464.00			
4.65E+08	-107.32	-106.72	-106.37	-107.61	-106.54	-106.01	464.75			
4.66E+08	-108.07	-107.01	-107.13	-107.99	-106.84	-105.94	465.50			
4.66E+08	-107.23	-106.64	-106.39	-106.26	-106.84	-105.80	466.25			
4.67E+08	-106.71	-107.72	-106.36	-107.49	-107.03	-105.82	467.00			
4.68E+08	-106.29	-107.34	-106.46	-107.19	-106.90	-106.33	467.75			
4.69E+08	-106.83	-105.91	-106.72	-106.51	-107.33	-106.36	468.50			
4.69E+08	-106.96	-106.83	-106.69	-107.18	-106.83	-106.02	469.25			
4.70E+08	-107.69	-107.13	-106.11	-106.90	-108.12	-106.32	470.00			
4.71E+08	-107.36	-106.98	-106.47	-106.56	-106.31	-107.40	470.75			
4.72E+08	-107.16	-106.58	-106.52	-106.96	-106.07	-107.47	471.50			

200-500 MHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011											
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.		Comparison				
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	minus the Ambient scan				
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Freq MHz Enter Limit >	dBm	dBm	dBm	dBm
								3.00	3.00	3.00	3.00
4.72E+08	-108.02	-107.89	-107.47	-106.74	-106.82	-107.31	472.25				
4.73E+08	-107.54	-106.54	-106.28	-107.40	-106.76	-106.23	473.00				
4.74E+08	-107.59	-107.85	-106.54	-106.17	-106.97	-106.83	473.75				
4.75E+08	-106.16	-107.00	-106.40	-106.75	-106.94	-106.88	474.50				
4.75E+08	-106.79	-107.25	-106.83	-106.40	-107.06	-106.05	475.25				
4.76E+08	-107.64	-106.90	-106.91	-107.57	-106.83	-106.52	476.00				
4.77E+08	-106.95	-107.46	-106.50	-106.75	-107.37	-106.49	476.75				
4.78E+08	-107.13	-107.33	-106.80	-107.27	-107.35	-106.21	477.50				
4.78E+08	-106.71	-106.76	-108.11	-106.98	-107.27	-106.89	478.25				
4.79E+08	-107.02	-106.80	-108.14	-106.52	-106.92	-106.26	479.00				
4.80E+08	-106.35	-107.67	-106.90	-107.18	-106.88	-106.73	479.75				
4.81E+08	-107.39	-107.26	-106.43	-107.78	-106.69	-106.26	480.50				
4.81E+08	-106.89	-107.76	-107.46	-106.69	-105.54	-106.37	481.25				
4.82E+08	-107.02	-107.23	-108.18	-107.09	-106.66	-106.65	482.00				
4.83E+08	-106.86	-106.22	-107.18	-107.15	-106.74	-106.42	482.75				
4.84E+08	-107.06	-107.84	-107.05	-107.00	-107.43	-105.91	483.50				
4.84E+08	-106.92	-107.35	-106.76	-106.37	-106.39	-106.73	484.25				
4.85E+08	-106.51	-106.87	-107.94	-107.45	-106.26	-106.24	485.00				
4.86E+08	-107.34	-106.78	-107.21	-106.79	-106.40	-106.51	485.75				
4.87E+08	-107.20	-107.54	-106.34	-107.61	-106.75	-105.68	486.50				
4.87E+08	-106.43	-107.82	-105.99	-106.96	-107.04	-105.67	487.25				
4.88E+08	-106.99	-107.68	-107.16	-107.10	-106.35	-107.03	488.00				
4.89E+08	-107.07	-107.94	-107.35	-107.65	-106.60	-106.69	488.75				
4.90E+08	-106.91	-106.76	-106.86	-106.50	-107.08	-105.65	489.50				
4.90E+08	-106.94	-106.37	-107.56	-106.74	-106.60	-106.10	490.25				
4.91E+08	-106.92	-107.96	-106.61	-106.55	-106.99	-106.06	491.00				

200-500 MHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011											
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.			Comparison			
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq MHz	14-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	minus the Ambient scan dBm			
4.92E+08	-107.10	-106.88	-106.97	-107.46	-107.36	-106.74	491.75				
4.93E+08	-106.98	-107.24	-106.81	-107.72	-107.32	-106.93	492.50				
4.93E+08	-108.22	-107.19	-107.28	-106.87	-107.40	-105.67	493.25				
4.94E+08	-107.99	-107.27	-107.44	-107.38	-106.64	-106.64	494.00				
4.95E+08	-107.68	-107.33	-107.06	-106.67	-106.85	-105.54	494.75				
4.96E+08	-107.49	-106.24	-107.37	-107.43	-107.32	-106.40	495.50				
4.96E+08	-106.99	-107.42	-106.88	-106.04	-106.59	-106.80	496.25				
4.97E+08	-106.53	-106.54	-106.42	-106.53	-107.36	-106.44	497.00				
4.98E+08	-106.62	-107.46	-107.61	-107.37	-106.99	-107.33	497.75				
4.99E+08	-107.03	-106.70	-107.88	-107.25	-107.50	-106.84	498.50				
4.99E+08	-107.84	-106.69	-106.71	-106.90	-105.74	-106.94	499.25				
5.00E+08	-106.45	-107.41	-107.07	-107.25	-107.90	-106.54	500.00				
Sum of column								-1.18	-5.10	-6.52	-3.92

Attenuation (dB)
 0.00E+00
 Center Frequency (Hz)
 3.50E+08
 Date/Time
 1/6/2011 12:48
 Instrument Model
 E4407B
 Instrument Serial Number
 MY45116875
 Reference Level (dBm)
 -5.00E+01
 Resolution BW (Hz)
 3.00E+04
 Scale Type
 LOG



Span Frequency (Hz)
3.00E+08

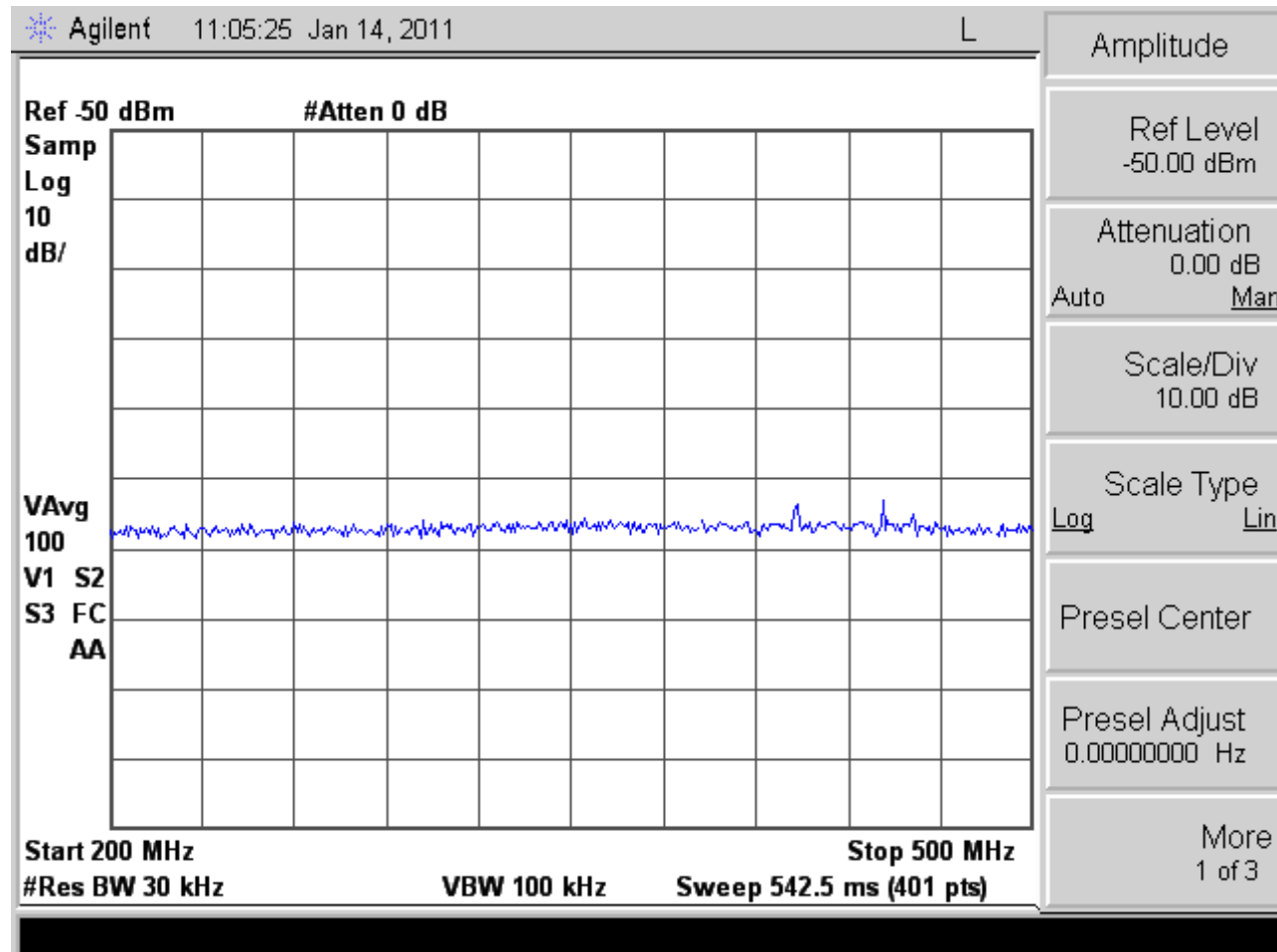
Start Frequency (Hz)
2.00E+08

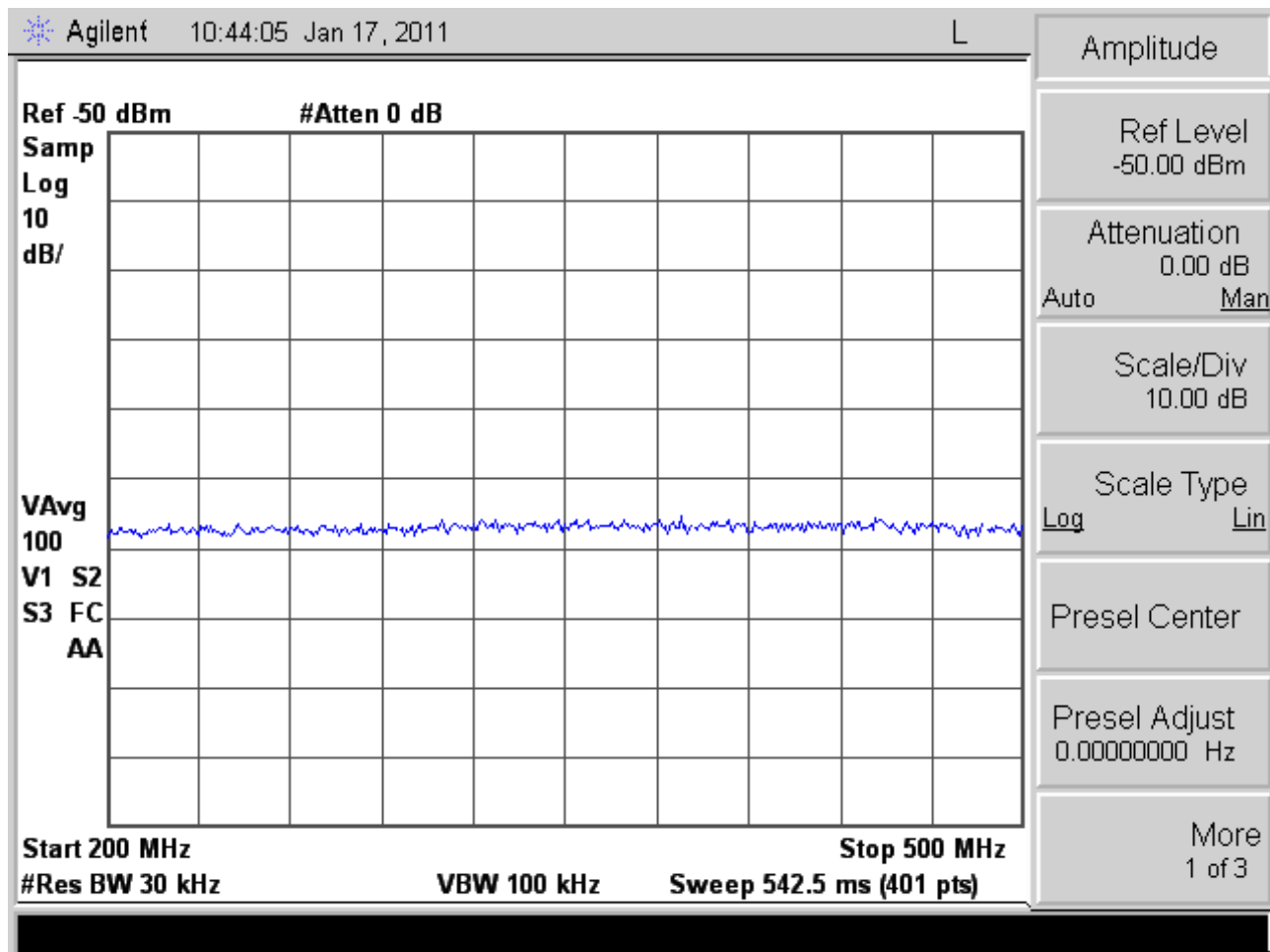
Stop Frequency (Hz)
5.00E+08

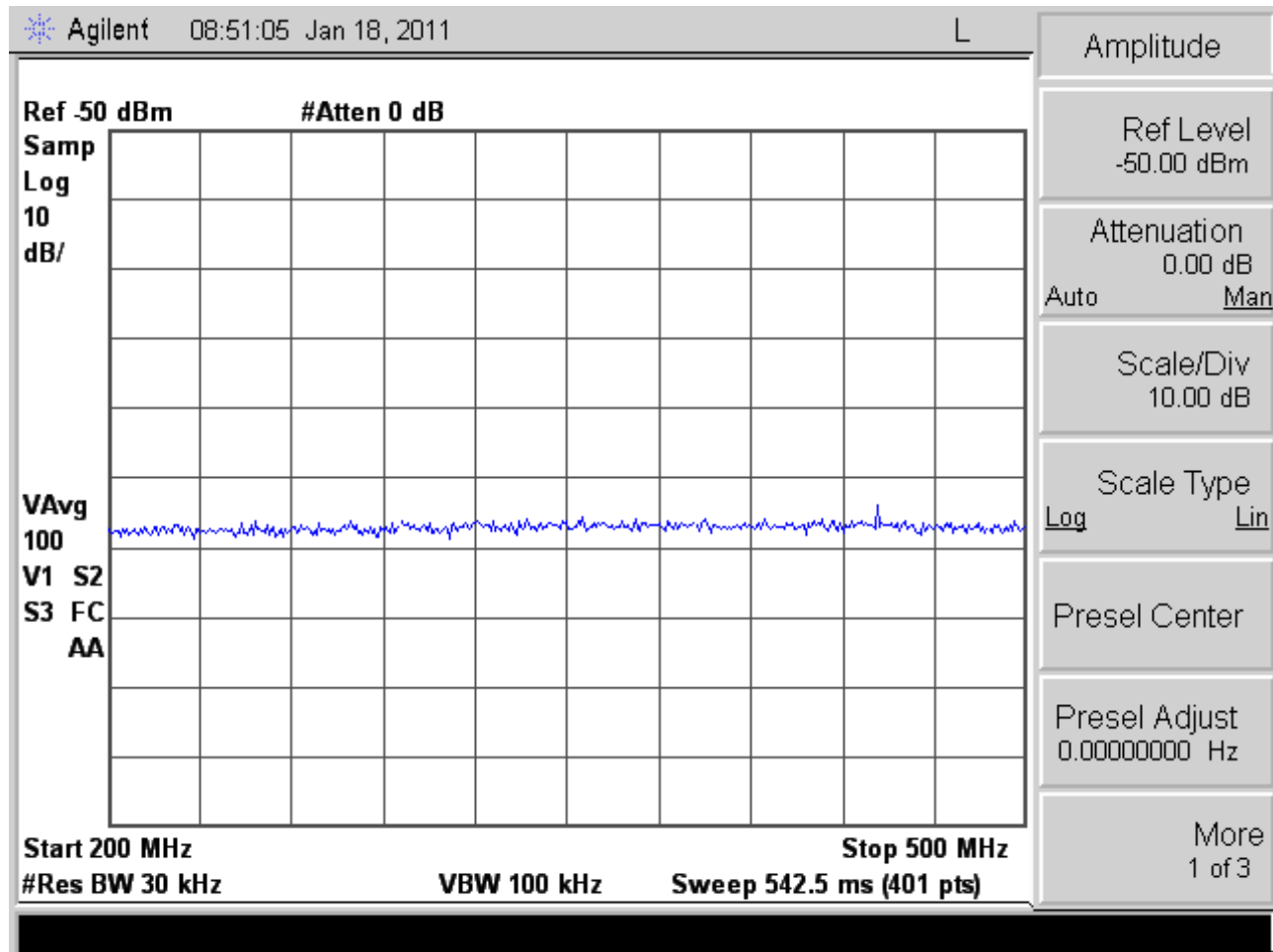
Sweep Number Of Points
401

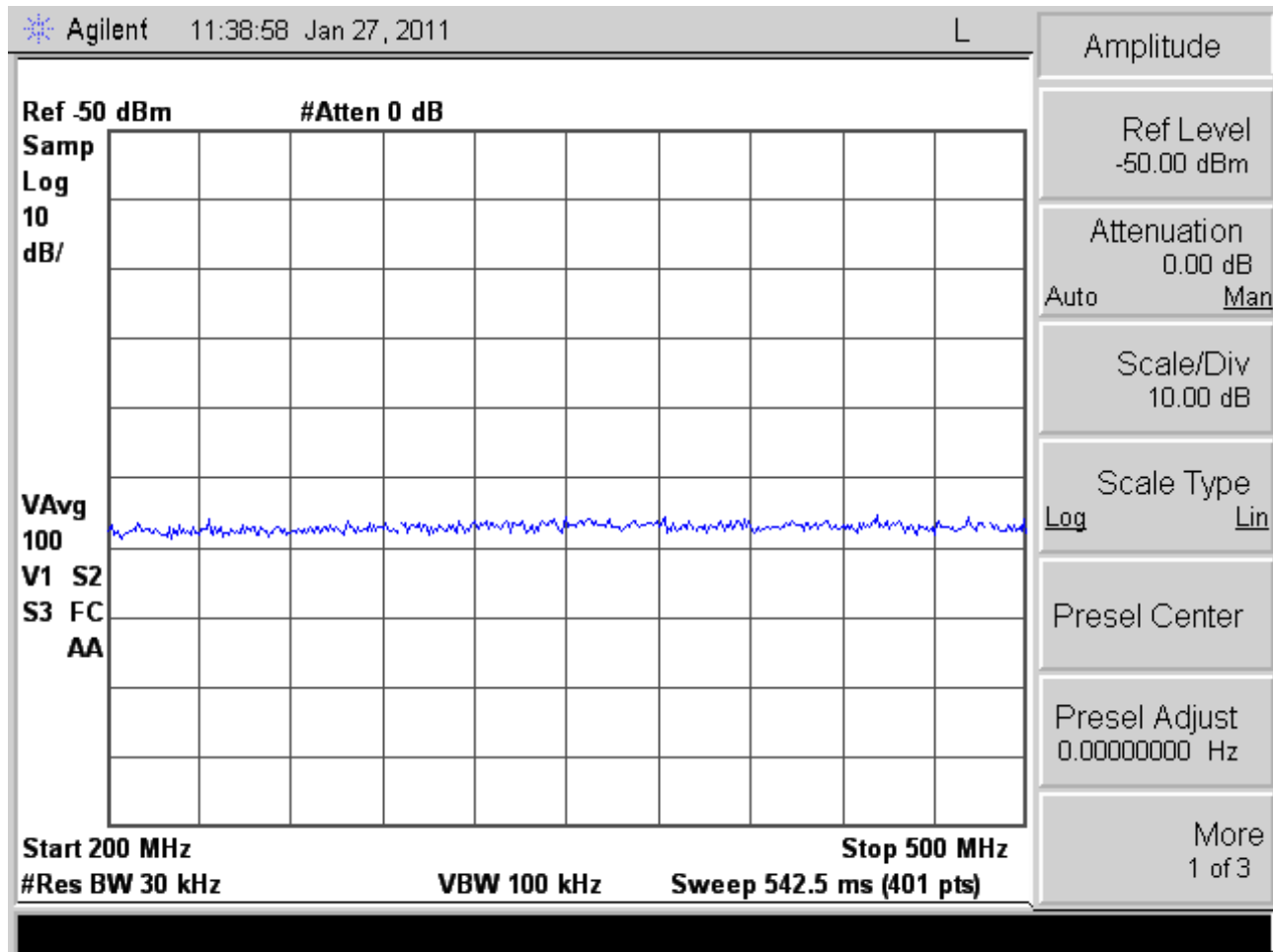
Sweep Time (seconds)
5.42E-01

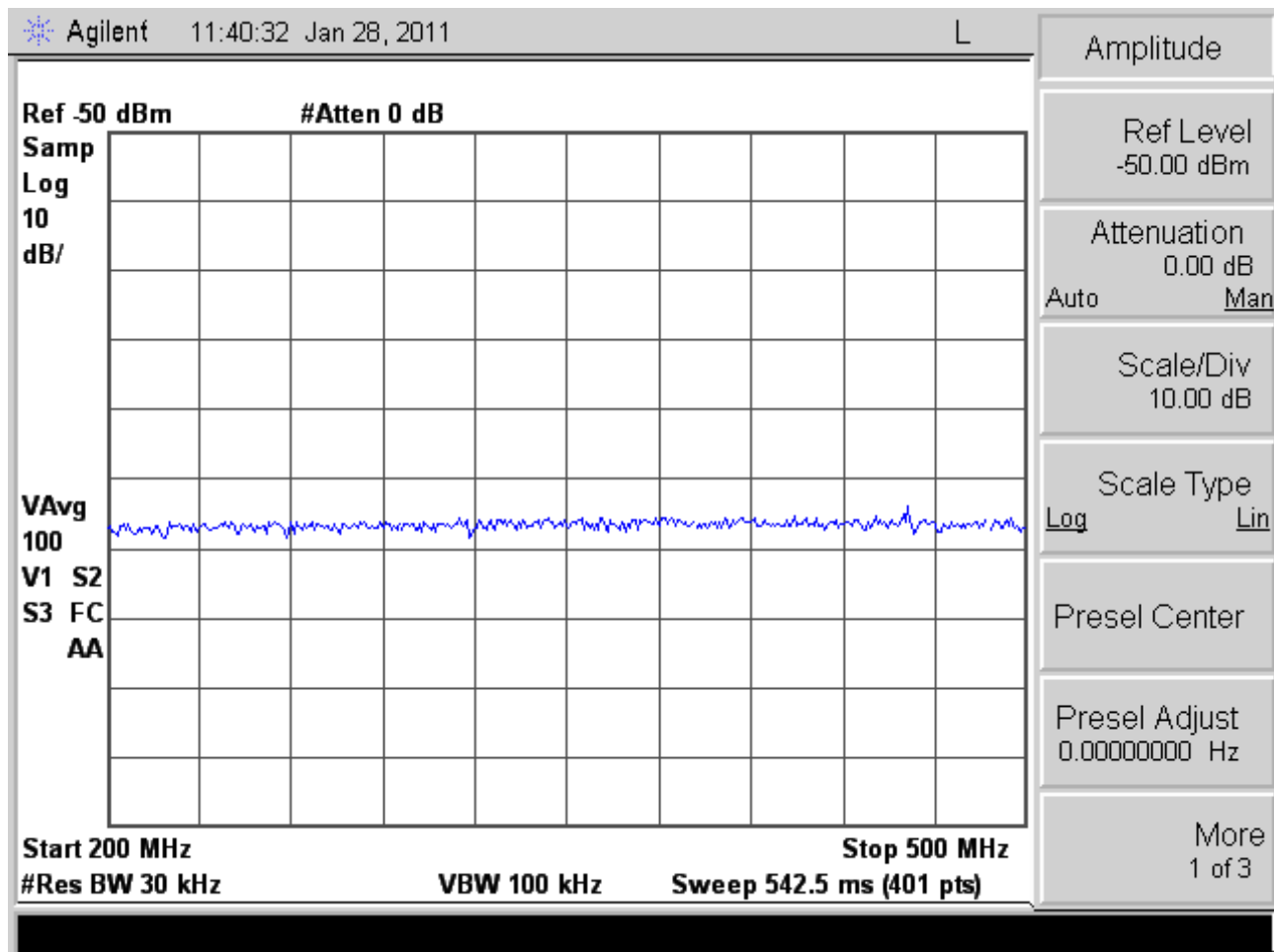
Video BW (Hz)
1.00E+05











500 MHz- 1 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011

Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.		Comparison				
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	14- Jan	17- Jan	18- Jan	27- Jan	28- Jan
		minus the Ambient scan									

500 MHz- 1 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011

Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.		Comparison					
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq MHz	14- Jan	17- Jan	18- Jan	27- Jan	28- Jan
		minus the Ambient scan										
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500 MHz- 1 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011

Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.		Comparison					
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq MHz	14- Jan	17- Jan	18- Jan	27- Jan	28- Jan
								minus the Ambient scan				
							Enter Limit	dBm	dBm	dBm	dBm	dBm
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	>	3.00	3.00	3.00	3.00	3.00
5.64E+08	-116.07	-117.66	-117.16	-116.59	-118.22	-117.78	563.75					
5.65E+08	-116.99	-117.34	-116.67	-116.68	-119.79	-117.64	565.00					
5.66E+08	-107.08	-109.86	-107.28	-109.04	-103.60	-107.16	566.25				3.49	
5.68E+08	-104.82	-108.99	-108.80	-109.37	-102.51	-108.51	567.50	-4.17	-3.97	-4.55		-3.68
5.69E+08	-107.69	-106.36	-106.30	-107.84	-104.70	-105.48	568.75					
5.70E+08	-103.92	-109.33	-108.12	-108.46	-106.96	-104.46	570.00	-5.41	-4.20	-4.55	-3.05	
5.71E+08	-112.68	-115.17	-114.38	-118.50	-116.33	-114.84	571.25			-5.82	-3.65	
5.73E+08	-119.96	-120.93	-120.85	-123.24	-122.62	-120.77	572.50			-3.28		
5.74E+08	-119.60	-121.55	-121.44	-121.92	-120.40	-121.00	573.75					
5.75E+08	-119.42	-119.77	-120.32	-120.32	-121.38	-119.81	575.00					
5.76E+08	-117.85	-119.36	-119.95	-120.50	-120.57	-119.43	576.25					
5.78E+08	-116.15	-115.96	-116.24	-115.87	-116.67	-115.74	577.50					
5.79E+08	-110.44	-114.03	-112.22	-113.27	-110.53	-111.44	578.75	-3.59				
5.80E+08	-109.61	-111.72	-113.06	-114.05	-111.77	-111.11	580.00		-3.45	-4.44		
5.81E+08	-109.59	-109.68	-111.24	-109.89	-111.86	-109.53	581.25					
5.83E+08	-110.07	-112.47	-111.46	-112.39	-111.56	-109.59	582.50					
5.84E+08	-117.57	-118.17	-116.76	-118.02	-117.46	-119.64	583.75					
5.85E+08	-118.27	-118.51	-117.85	-120.77	-119.47	-118.42	585.00					
5.86E+08	-118.94	-118.60	-118.40	-121.12	-119.93	-119.53	586.25					
5.88E+08	-119.15	-119.58	-119.82	-120.30	-120.41	-119.37	587.50					
5.89E+08	-121.46	-120.91	-120.34	-122.10	-120.88	-122.01	588.75					
5.90E+08	-120.12	-120.91	-120.19	-120.11	-121.20	-121.71	590.00					
5.91E+08	-120.34	-120.98	-120.03	-120.92	-121.48	-120.52	591.25					
5.93E+08	-119.47	-121.77	-120.55	-121.96	-121.07	-121.19	592.50					
5.94E+08	-119.36	-119.44	-120.46	-120.39	-119.78	-120.31	593.75					
5.95E+08	-117.63	-119.48	-119.66	-118.55	-120.26	-119.83	595.00					

500 MHz- 1 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011

Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.		Comparison					
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq MHz	14- Jan	17- Jan	18- Jan	27- Jan	28- Jan
		minus the Ambient scan										
		Enter Limit										
		3.00										
		>										
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)						
5.96E+08	-117.88	-119.09	-119.07	-118.38	-118.79	-119.18	596.25					
5.98E+08	-116.67	-117.99	-117.40	-117.80	-118.64	-117.51	597.50					
5.99E+08	-116.11	-117.49	-117.33	-117.07	-117.33	-116.75	598.75					
6.00E+08	-117.04	-117.05	-117.48	-117.44	-118.63	-118.14	600.00					
6.01E+08	-117.44	-117.65	-118.90	-117.68	-118.78	-117.19	601.25					
6.03E+08	-112.69	-108.35	-104.17	-110.43	-113.65	-112.11	602.50	4.34	8.52			
6.04E+08	-110.53	-106.05	-104.71	-111.24	-116.63	-114.50	603.75	4.48	5.82		-6.10	-3.97
6.05E+08	-114.50	-105.03	-102.59	-107.95	-115.45	-114.18	605.00	9.47	11.91	6.55		
6.06E+08	-114.21	-102.74	-110.27	-115.00	-116.85	-113.60	606.25	11.47	3.94			
6.08E+08	-119.87	-119.88	-121.16	-120.63	-121.32	-120.31	607.50					
6.09E+08	-119.99	-120.27	-120.95	-122.33	-121.33	-121.59	608.75					
6.10E+08	-121.17	-119.03	-121.10	-122.51	-121.42	-120.82	610.00					
6.11E+08	-120.10	-117.46	-121.71	-121.72	-120.87	-120.49	611.25					
6.13E+08	-118.44	-117.71	-120.26	-120.90	-120.71	-120.17	612.50					
6.14E+08	-118.10	-117.58	-119.60	-119.13	-119.22	-119.79	613.75					
6.15E+08	-116.49	-117.17	-118.02	-120.93	-118.08	-117.24	615.00			-4.45		
6.16E+08	-117.95	-117.35	-117.60	-117.30	-118.68	-117.39	616.25					
6.18E+08	-117.10	-116.67	-117.83	-117.69	-117.71	-117.55	617.50					
6.19E+08	-118.27	-117.05	-116.95	-117.55	-117.26	-118.90	618.75					
6.20E+08	-116.82	-118.09	-117.08	-117.74	-118.25	-117.59	620.00					
6.21E+08	-117.65	-118.76	-117.65	-117.14	-118.82	-117.74	621.25					
6.23E+08	-119.21	-118.79	-118.22	-120.08	-118.96	-119.05	622.50					
6.24E+08	-119.02	-118.39	-118.65	-119.58	-120.46	-118.80	623.75					
6.25E+08	-119.24	-120.80	-120.50	-120.47	-120.09	-120.61	625.00					
6.26E+08	-116.79	-117.87	-119.40	-116.36	-118.67	-117.31	626.25					
6.28E+08	-116.75	-120.30	-119.71	-119.00	-116.80	-117.43	627.50	-3.55				

500 MHz- 1 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011

Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.	Comparison							
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq MHz	14- Jan	17- Jan	18- Jan	27- Jan	28- Jan	
		minus the Ambient scan											
								Enter Limit	dBm	dBm	dBm	dBm	dBm
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	>	3.00	3.00	3.00	3.00	3.00	
6.29E+08	-110.03	-110.56	-114.65	-114.35	-112.28	-107.38	628.75		-4.63	-4.32			
6.30E+08	-117.01	-117.94	-116.02	-118.83	-114.81	-113.84	630.00					3.17	
6.31E+08	-118.70	-119.90	-119.65	-118.70	-119.31	-117.93	631.25						
6.33E+08	-117.30	-119.13	-119.40	-118.56	-119.18	-119.48	632.50						
6.34E+08	-117.08	-118.01	-118.17	-118.34	-119.45	-118.49	633.75						
6.35E+08	-116.72	-118.32	-118.09	-120.32	-117.71	-118.07	635.00			-3.60			
6.36E+08	-117.51	-118.43	-118.32	-117.98	-117.85	-117.36	636.25						
6.38E+08	-116.53	-117.48	-118.28	-120.35	-117.42	-117.83	637.50			-3.82			
6.39E+08	-116.94	-118.98	-116.98	-118.18	-118.39	-117.79	638.75						
6.40E+08	-118.31	-117.82	-117.08	-118.08	-118.95	-117.67	640.00						
6.41E+08	-117.30	-118.77	-117.17	-119.10	-118.81	-118.15	641.25						
6.43E+08	-118.87	-119.96	-118.19	-119.04	-120.17	-118.67	642.50						
6.44E+08	-119.57	-120.13	-118.10	-120.24	-119.59	-118.43	643.75						
6.45E+08	-119.77	-120.25	-119.16	-122.78	-123.02	-119.95	645.00			-3.01	-3.25		
6.46E+08	-120.04	-120.23	-119.00	-121.45	-120.83	-121.17	646.25						
6.48E+08	-118.79	-120.96	-119.27	-122.07	-120.08	-118.93	647.50			-3.28			
6.49E+08	-118.18	-120.03	-119.51	-122.96	-120.49	-118.75	648.75			-4.78			
6.50E+08	-109.23	-110.59	-108.67	-111.76	-110.45	-106.89	650.00						
6.51E+08	-110.12	-110.18	-108.19	-109.87	-108.78	-107.82	651.25						
6.53E+08	-106.61	-108.63	-107.30	-106.69	-109.47	-109.37	652.50						
6.54E+08	-107.18	-107.87	-107.73	-109.43	-109.78	-107.53	653.75						
6.55E+08	-112.94	-111.04	-110.42	-110.48	-113.18	-109.76	655.00					3.18	
6.56E+08	-117.04	-117.28	-116.85	-116.75	-117.78	-117.41	656.25						
6.58E+08	-117.44	-118.54	-117.25	-119.41	-118.33	-116.69	657.50						
6.59E+08	-118.22	-118.85	-117.92	-118.89	-118.86	-118.66	658.75						
6.60E+08	-118.31	-118.64	-118.88	-119.42	-119.01	-119.88	660.00						

500 MHz- 1 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011

Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.	Comparison						
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq MHz	14- Jan	17- Jan	18- Jan	27- Jan	28- Jan
							minus the Ambient scan					
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	dBm	dBm	dBm	dBm	dBm
6.61E+08	-119.54	-119.60	-118.61	-120.33	-119.64	-119.19	661.25	3.00	3.00	3.00	3.00	3.00
6.63E+08	-113.11	-110.77	-109.02	-109.68	-104.77	-104.64	662.50		4.09	3.43	8.34	8.47
6.64E+08	-110.99	-109.39	-110.69	-109.70	-104.94	-102.88	663.75				6.04	8.11
6.65E+08	-107.58	-108.52	-108.67	-108.82	-101.03	-106.03	665.00				6.55	
6.66E+08	-109.83	-108.91	-109.42	-109.55	-107.76	-103.67	666.25					6.16
6.68E+08	-118.16	-120.23	-119.53	-121.25	-119.38	-119.86	667.50			-3.09		
6.69E+08	-117.66	-119.05	-120.23	-121.25	-119.56	-119.97	668.75			-3.59		
6.70E+08	-116.96	-119.07	-119.42	-119.66	-118.57	-117.53	670.00					
6.71E+08	-117.16	-118.64	-118.21	-118.91	-119.51	-118.05	671.25					
6.73E+08	-116.84	-117.89	-117.81	-118.20	-119.10	-117.97	672.50					
6.74E+08	-117.28	-117.65	-117.75	-118.50	-118.01	-118.85	673.75					
6.75E+08	-117.39	-117.45	-118.67	-118.70	-118.88	-117.99	675.00					
6.76E+08	-116.97	-118.29	-117.46	-118.35	-119.10	-119.25	676.25					
6.78E+08	-118.38	-119.32	-118.17	-117.68	-118.57	-117.77	677.50					
6.79E+08	-117.30	-118.69	-117.42	-119.74	-118.91	-118.64	678.75					
6.80E+08	-119.46	-119.28	-119.33	-119.73	-120.17	-120.91	680.00					
6.81E+08	-119.34	-120.16	-119.69	-122.37	-120.87	-119.92	681.25			-3.03		
6.83E+08	-119.10	-120.54	-119.73	-120.80	-120.61	-120.97	682.50					
6.84E+08	-120.08	-119.88	-120.20	-120.51	-121.48	-119.95	683.75					
6.85E+08	-119.40	-120.22	-120.20	-121.82	-121.07	-121.37	685.00					
6.86E+08	-118.02	-119.53	-120.41	-121.31	-119.85	-119.62	686.25			-3.29		
6.88E+08	-119.09	-120.32	-118.91	-119.03	-119.63	-119.04	687.50					
6.89E+08	-118.94	-119.48	-118.43	-119.32	-119.55	-118.10	688.75					
6.90E+08	-117.67	-118.38	-118.65	-118.66	-118.57	-117.88	690.00					
6.91E+08	-119.04	-118.59	-118.29	-118.17	-118.70	-118.25	691.25					
6.93E+08	-116.67	-117.69	-117.79	-119.63	-117.64	-117.95	692.50					

500 MHz- 1 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011

Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.	Comparison						
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq MHz	14- Jan	17- Jan	18- Jan	27- Jan	28- Jan
							minus the Ambient scan					
							Enter Limit					
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	>	3.00	3.00	3.00	3.00	3.00
6.94E+08	-116.79	-118.26	-117.80	-119.02	-118.47	-117.56	693.75					
6.95E+08	-117.83	-119.37	-117.70	-118.92	-118.92	-118.00	695.00					
6.96E+08	-117.95	-119.26	-117.47	-119.19	-120.42	-119.33	696.25					
6.98E+08	-117.41	-118.82	-116.85	-119.97	-119.64	-118.11	697.50					
6.99E+08	-118.23	-119.04	-118.00	-119.57	-119.55	-119.14	698.75					
7.00E+08	-119.60	-119.98	-119.17	-120.01	-120.89	-119.62	700.00					
7.01E+08	-120.31	-120.42	-120.04	-120.74	-121.47	-119.40	701.25					
7.03E+08	-119.27	-119.16	-119.62	-121.23	-121.10	-119.43	702.50					
7.04E+08	-119.95	-120.83	-119.16	-119.65	-120.83	-120.79	703.75					
7.05E+08	-119.23	-119.00	-120.06	-118.68	-120.49	-120.47	705.00					
7.06E+08	-117.57	-120.49	-118.91	-118.74	-120.08	-118.68	706.25					
7.08E+08	-117.95	-119.68	-118.76	-119.48	-119.06	-118.01	707.50					
7.09E+08	-117.92	-119.14	-118.92	-119.47	-119.02	-118.99	708.75					
7.10E+08	-117.43	-118.83	-117.94	-118.73	-119.00	-118.25	710.00					
7.11E+08	-117.06	-117.56	-117.29	-118.98	-118.05	-118.97	711.25					
7.13E+08	-117.24	-117.85	-117.39	-119.11	-118.69	-117.07	712.50					
7.14E+08	-117.82	-117.84	-117.37	-118.70	-119.49	-118.00	713.75					
7.15E+08	-119.11	-118.44	-118.71	-117.63	-118.91	-118.40	715.00					
7.16E+08	-116.10	-116.78	-117.12	-119.16	-116.19	-117.99	716.25			-3.07		
7.18E+08	-116.96	-118.67	-117.53	-119.81	-116.24	-113.51	717.50					3.45
7.19E+08	-115.76	-119.22	-118.20	-119.56	-118.78	-118.92	718.75	-3.46		-3.80	-3.02	-3.15
7.20E+08	-117.57	-118.13	-117.82	-117.93	-118.47	-118.61	720.00					
7.21E+08	-118.66	-120.71	-119.32	-119.88	-120.74	-121.78	721.25					-3.11
7.23E+08	-114.63	-117.41	-116.90	-113.65	-119.22	-117.63	722.50				-4.59	
7.24E+08	-118.32	-120.22	-118.98	-120.27	-120.27	-120.01	723.75					
7.25E+08	-118.47	-119.90	-119.06	-119.47	-119.45	-119.47	725.00					

500 MHz- 1 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011

Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.		Comparison					
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq MHz	14- Jan	17- Jan	18- Jan	27- Jan	28- Jan
							Enter Limit	minus the Ambient scan				
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	>	dBm	dBm	dBm	dBm	dBm
7.26E+08	-118.32	-119.72	-118.59	-117.95	-118.70	-118.62	726.25	3.00	3.00	3.00	3.00	3.00
7.28E+08	-118.42	-119.02	-118.83	-118.29	-119.13	-117.89	727.50					
7.29E+08	-117.53	-118.14	-118.54	-118.79	-119.05	-118.65	728.75					
7.30E+08	-117.43	-117.43	-118.25	-119.39	-119.46	-118.14	730.00					
7.31E+08	-118.25	-118.41	-117.92	-119.10	-118.31	-118.44	731.25					
7.33E+08	-116.93	-119.14	-118.44	-118.82	-119.22	-118.61	732.50					
7.34E+08	-118.16	-118.58	-118.86	-120.57	-119.31	-118.32	733.75					
7.35E+08	-117.78	-119.70	-118.98	-120.53	-119.76	-119.41	735.00					
7.36E+08	-119.48	-119.19	-118.56	-119.26	-120.83	-119.79	736.25					
7.38E+08	-119.31	-120.25	-120.73	-120.67	-120.66	-120.09	737.50					
7.39E+08	-120.53	-121.55	-119.56	-120.10	-120.82	-119.11	738.75					
7.40E+08	-119.82	-119.52	-119.88	-121.08	-121.32	-120.84	740.00					
7.41E+08	-119.02	-120.22	-119.24	-118.93	-120.50	-120.30	741.25					
7.43E+08	-118.51	-120.11	-119.99	-120.39	-119.91	-119.54	742.50					
7.44E+08	-118.60	-119.55	-119.66	-120.53	-120.22	-120.02	743.75					
7.45E+08	-118.14	-118.92	-118.67	-120.27	-119.94	-119.20	745.00					
7.46E+08	-117.90	-118.06	-118.44	-120.71	-119.45	-117.93	746.25					
7.48E+08	-118.13	-118.94	-118.63	-119.46	-120.98	-119.55	747.50					
7.49E+08	-116.53	-118.47	-118.41	-118.81	-119.50	-118.49	748.75					
7.50E+08	-117.20	-118.56	-118.16	-119.18	-118.15	-118.28	750.00					
7.51E+08	-118.49	-118.82	-118.58	-120.21	-120.14	-119.60	751.25					
7.53E+08	-118.10	-119.48	-118.91	-119.25	-119.95	-118.78	752.50					
7.54E+08	-118.96	-119.66	-118.74	-119.12	-119.68	-118.79	753.75					
7.55E+08	-119.76	-120.27	-118.94	-119.28	-119.30	-118.46	755.00					
7.56E+08	-116.31	-120.13	-119.32	-119.70	-120.32	-120.28	756.25	-3.82	-3.01	-3.39	-4.01	-3.97
7.58E+08	-118.09	-119.97	-119.11	-120.02	-120.74	-119.89	757.50					

500 MHz- 1 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011

Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.		Comparison					
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq MHz	14- Jan	17- Jan	18- Jan	27- Jan	28- Jan
							minus the Ambient scan					
							Enter Limit >	dBm	dBm	dBm	dBm	dBm
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)		3.00	3.00	3.00	3.00	3.00
7.59E+08	-118.77	-120.88	-119.91	-121.39	-120.11	-119.96	758.75					
7.60E+08	-119.78	-119.38	-120.00	-120.99	-120.59	-119.64	760.00					
7.61E+08	-118.36	-119.88	-119.65	-120.86	-120.05	-120.12	761.25					
7.63E+08	-118.59	-119.84	-119.20	-120.60	-119.69	-119.18	762.50					
7.64E+08	-118.32	-120.16	-118.80	-120.14	-119.52	-118.90	763.75					
7.65E+08	-118.38	-118.72	-119.16	-119.14	-119.85	-118.73	765.00					
7.66E+08	-116.71	-118.66	-118.87	-118.94	-119.17	-118.90	766.25					
7.68E+08	-117.10	-118.89	-118.55	-117.90	-119.13	-118.50	767.50					
7.69E+08	-116.36	-118.19	-118.86	-118.41	-119.65	-118.17	768.75				-3.29	
7.70E+08	-117.87	-118.30	-118.80	-118.69	-119.49	-118.50	770.00					
7.71E+08	-118.51	-118.74	-119.20	-118.49	-119.60	-119.00	771.25					
7.73E+08	-118.95	-118.21	-118.75	-119.43	-119.94	-120.73	772.50					
7.74E+08	-119.14	-118.85	-118.89	-119.13	-120.01	-120.20	773.75					
7.75E+08	-118.61	-119.07	-118.80	-120.43	-121.29	-120.64	775.00					
7.76E+08	-118.89	-119.24	-119.91	-120.03	-121.10	-119.86	776.25					
7.78E+08	-119.12	-120.39	-119.87	-120.37	-120.06	-121.06	777.50					
7.79E+08	-118.84	-120.29	-119.66	-119.41	-120.47	-119.76	778.75					
7.80E+08	-116.53	-120.18	-118.91	-118.37	-120.77	-117.41	780.00	-3.66			-4.25	
7.81E+08	-117.50	-118.88	-119.06	-119.23	-119.28	-119.48	781.25					
7.83E+08	-117.32	-119.38	-119.03	-119.38	-120.29	-119.29	782.50					
7.84E+08	-118.12	-119.26	-118.73	-117.99	-120.69	-119.15	783.75					
7.85E+08	-116.90	-119.91	-118.43	-120.00	-118.95	-118.53	785.00	-3.00		-3.10		
7.86E+08	-116.01	-118.92	-118.07	-118.75	-119.64	-119.18	786.25				-3.62	-3.17
7.88E+08	-117.81	-118.55	-118.37	-118.72	-119.03	-118.76	787.50					
7.89E+08	-117.85	-118.82	-118.41	-119.00	-118.26	-119.72	788.75					
7.90E+08	-118.07	-119.18	-118.36	-118.71	-119.95	-117.68	790.00					

500 MHz- 1 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011

Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.	Comparison						
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq MHz	14- Jan	17- Jan	18- Jan	27- Jan	28- Jan
		minus the Ambient scan										
		Enter Limit										
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500 MHz- 1 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011

Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.		Comparison					
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq MHz	14- Jan	17- Jan	18- Jan	27- Jan	28- Jan
							Enter Limit	minus the Ambient scan				
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	>	dBm	dBm	dBm	dBm	dBm
8.24E+08	-117.69	-118.93	-117.68	-119.59	-119.36	-118.29	823.75	3.00	3.00	3.00	3.00	3.00
8.25E+08	-117.81	-118.72	-118.64	-118.25	-119.56	-118.43	825.00					
8.26E+08	-117.38	-119.08	-118.64	-119.77	-119.17	-118.26	826.25					
8.28E+08	-118.41	-119.27	-119.00	-117.94	-119.48	-117.79	827.50					
8.29E+08	-117.71	-119.25	-119.11	-119.43	-119.17	-119.46	828.75					
8.30E+08	-117.78	-114.51	-115.80	-117.84	-117.61	-118.57	830.00	3.27				
8.31E+08	-119.09	-119.21	-118.86	-118.28	-120.26	-118.25	831.25					
8.33E+08	-118.09	-119.18	-118.97	-119.34	-119.66	-118.88	832.50					
8.34E+08	-118.32	-120.17	-119.66	-120.11	-119.14	-118.97	833.75					
8.35E+08	-118.21	-119.85	-119.13	-120.80	-119.36	-120.63	835.00					
8.36E+08	-118.23	-119.36	-119.65	-120.52	-120.01	-119.31	836.25					
8.38E+08	-118.50	-119.51	-119.62	-119.75	-119.11	-118.89	837.50					
8.39E+08	-118.67	-120.03	-119.83	-118.46	-119.49	-118.13	838.75					
8.40E+08	-118.54	-118.95	-118.16	-119.68	-118.59	-118.04	840.00					
8.41E+08	-108.81	-118.32	-116.20	-119.41	-119.08	-119.07	841.25	-9.51	-7.39	-10.60	-10.28	-10.26
8.43E+08	-88.15	-106.62	-99.52	-116.82	-118.80	-118.49	842.50	-18.47	-11.37	-28.67	-30.65	-30.34
8.44E+08	-117.87	-92.85	-118.15	-105.40	-117.97	-119.96	843.75	25.02		12.47		
8.45E+08	-117.88	-105.50	-117.92	-117.60	-119.68	-118.45	845.00	12.38				
8.46E+08	-117.24	-110.77	-118.62	-119.12	-118.87	-119.69	846.25	6.47				
8.48E+08	-117.71	-104.33	-118.19	-118.32	-119.38	-101.86	847.50	13.38				15.85
8.49E+08	-117.69	-115.28	-118.98	-122.00	-118.53	-119.13	848.75			-4.32		
8.50E+08	-117.93	-116.72	-117.77	-116.88	-119.27	-119.03	850.00					
8.51E+08	-96.44	-89.37	-76.64	-105.16	-85.33	-95.99	851.25	7.07	19.80	-8.72	11.10	
8.53E+08	-118.36	-119.42	-118.46	-118.66	-119.92	-119.16	852.50					
8.54E+08	-117.82	-119.58	-118.07	-119.85	-119.94	-118.22	853.75					
8.55E+08	-105.36	-113.72	-114.03	-111.36	-107.15	-107.82	855.00	-8.36	-8.67	-6.00		

500 MHz- 1 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011

Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.	Comparison						
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq MHz	14- Jan	17- Jan	18- Jan	27- Jan	28- Jan
							minus the Ambient scan					
							Enter Limit					
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	>	3.00	3.00	3.00	3.00	3.00
8.56E+08	-66.45	-67.66	-64.03	-66.63	-74.94	-65.63	856.25				-8.49	
8.58E+08	-85.24	-94.11	-88.40	-89.92	-90.64	-85.60	857.50	-8.87	-3.16	-4.68	-5.41	
8.59E+08	-95.14	-84.46	-79.47	-84.09	-89.65	-91.22	858.75	10.68	15.66	11.05	5.49	3.91
8.60E+08	-85.57	-99.53	-90.29	-93.25	-87.29	-92.12	860.00	-13.96	-4.72	-7.68		-6.54
8.61E+08	-63.84	-72.29	-69.89	-72.33	-66.08	-74.93	861.25	-8.45	-6.05	-8.49		-11.09
8.63E+08	-114.22	-115.24	-109.36	-118.99	-117.30	-115.70	862.50		4.86	-4.76	-3.07	
8.64E+08	-114.89	-116.61	-115.85	-117.14	-116.64	-117.09	863.75					
8.65E+08	-95.88	-104.71	-109.70	-117.36	-97.93	-109.19	865.00	-8.83	-13.83	-21.49		-13.31
8.66E+08	-107.34	-90.66	-88.10	-96.76	-98.47	-98.55	866.25	16.68	19.24	10.58	8.87	8.80
8.68E+08	-94.69	-107.43	-104.90	-108.12	-97.96	-101.29	867.50	-12.74	-10.20	-13.43	-3.26	-6.59
8.69E+08	-118.93	-119.03	-119.07	-118.53	-120.68	-120.17	868.75					
8.70E+08	-118.38	-119.42	-119.38	-120.33	-120.40	-119.80	870.00					
8.71E+08	-117.76	-118.88	-119.32	-119.19	-120.08	-120.47	871.25					
8.73E+08	-118.52	-119.45	-119.35	-120.16	-119.51	-119.05	872.50					
8.74E+08	-118.31	-119.57	-119.89	-120.12	-120.21	-119.26	873.75					
8.75E+08	-75.20	-85.53	-85.34	-83.41	-75.03	-75.59	875.00	-10.33	-10.14	-8.21		
8.76E+08	-107.29	-114.11	-113.03	-115.47	-109.57	-107.81	876.25	-6.82	-5.74	-8.18		
8.78E+08	-77.94	-83.42	-82.23	-83.42	-81.69	-80.61	877.50	-5.48	-4.29	-5.47	-3.74	
8.79E+08	-113.16	-115.00	-115.28	-116.79	-114.23	-114.64	878.75			-3.63		
8.80E+08	-110.52	-113.93	-112.48	-112.97	-111.18	-112.41	880.00	-3.41				
8.81E+08	-79.84	-85.13	-84.50	-85.28	-81.83	-83.41	881.25	-5.29	-4.66	-5.44		-3.57
8.83E+08	-78.26	-83.98	-84.24	-85.06	-83.37	-82.89	882.50	-5.71	-5.97	-6.79	-5.10	-4.63
8.84E+08	-78.50	-87.06	-86.38	-86.42	-83.29	-82.57	883.75	-8.56	-7.87	-7.91	-4.79	-4.06
8.85E+08	-78.06	-86.27	-86.32	-85.93	-82.61	-83.41	885.00	-8.20	-8.26	-7.87	-4.55	-5.34
8.86E+08	-74.69	-81.29	-79.09	-90.01	-79.63	-84.94	886.25	-6.59	-4.40	-15.32	-4.94	-10.24
8.88E+08	-76.25	-81.05	-82.02	-86.07	-78.30	-78.76	887.50	-4.80	-5.78	-9.82		

500 MHz- 1 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011

Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.		Comparison					
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq MHz	14- Jan	17- Jan	18- Jan	27- Jan	28- Jan
							Enter Limit	minus the Ambient scan				
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	>	dBm	dBm	dBm	dBm	dBm
8.89E+08	-77.17	-80.86	-81.55	-85.28	-77.33	-77.88	888.75	-3.68	-4.38	-8.10		
8.90E+08	-100.70	-100.27	-109.43	-101.96	-96.19	-95.94	890.00		-8.73		4.51	4.76
8.91E+08	-119.30	-118.37	-119.32	-121.29	-120.07	-119.71	891.25					
8.93E+08	-78.60	-83.68	-80.96	-86.53	-77.74	-78.34	892.50	-5.07		-7.93		
8.94E+08	-118.65	-119.43	-119.31	-120.38	-119.33	-118.09	893.75					
8.95E+08	-118.19	-119.15	-119.25	-119.35	-119.97	-118.95	895.00					
8.96E+08	-116.36	-119.34	-119.29	-119.52	-118.58	-117.51	896.25			-3.16		
8.98E+08	-118.02	-119.59	-118.44	-119.53	-119.67	-118.45	897.50					
8.99E+08	-117.50	-118.35	-118.84	-118.07	-118.33	-118.86	898.75					
9.00E+08	-118.06	-118.03	-118.87	-118.90	-120.02	-118.38	900.00					
9.01E+08	-117.28	-119.00	-118.84	-118.69	-119.88	-118.46	901.25					
9.03E+08	-117.15	-117.98	-117.46	-116.85	-119.17	-118.19	902.50					
9.04E+08	-108.88	-110.95	-109.77	-113.93	-115.95	-109.07	903.75			-5.06	-7.07	
9.05E+08	-117.22	-118.93	-117.83	-117.64	-119.72	-118.93	905.00					
9.06E+08	-117.39	-118.38	-118.52	-118.70	-120.34	-119.04	906.25					
9.08E+08	-116.96	-118.30	-118.32	-119.18	-118.81	-118.21	907.50					
9.09E+08	-116.57	-118.82	-117.86	-117.13	-119.29	-118.57	908.75					
9.10E+08	-118.53	-118.25	-119.47	-120.75	-118.88	-118.48	910.00					
9.11E+08	-118.00	-119.91	-118.42	-118.92	-120.02	-119.33	911.25					
9.13E+08	-117.89	-119.42	-118.88	-118.05	-120.35	-118.53	912.50					
9.14E+08	-117.66	-118.82	-118.85	-119.83	-119.30	-117.78	913.75					
9.15E+08	-116.51	-119.36	-118.06	-117.72	-118.80	-116.96	915.00					
9.16E+08	-117.63	-118.44	-117.81	-118.61	-120.11	-118.42	916.25					
9.18E+08	-117.05	-119.00	-117.85	-118.25	-118.50	-116.70	917.50					
9.19E+08	-117.04	-118.59	-118.80	-118.05	-118.37	-117.94	918.75					
9.20E+08	-116.28	-117.76	-117.58	-118.68	-119.21	-117.79	920.00					

500 MHz- 1 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011

Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.		Comparison					
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq MHz	14- Jan	17- Jan	18- Jan	27- Jan	28- Jan
							minus the Ambient scan					
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	dBm	dBm	dBm	dBm	dBm
9.21E+08	-115.11	-118.16	-117.96	-119.41	-119.32	-117.04	921.25	3.00	3.00	3.00	3.00	3.00
9.23E+08	-116.37	-115.78	-116.36	-117.46	-114.02	-117.49	922.50	-3.05		-4.30	-4.21	
9.24E+08	-117.37	-115.25	-116.87	-118.35	-114.92	-116.84	923.75					
9.25E+08	-117.45	-118.65	-117.96	-119.38	-118.79	-117.16	925.00					
9.26E+08	-117.34	-118.22	-118.39	-120.85	-119.06	-119.30	926.25			-3.51		
9.28E+08	-117.98	-118.86	-117.49	-118.24	-119.03	-119.31	927.50					
9.29E+08	-109.97	-105.77	-95.92	-105.69	-111.99	-113.39	928.75	4.20	14.06	4.28		-3.42
9.30E+08	-116.49	-117.11	-117.44	-116.04	-118.21	-118.67	930.00					
9.31E+08	-108.44	-112.29	-114.14	-118.60	-107.48	-102.84	931.25	-3.85	-5.70	-10.16		5.60
9.33E+08	-117.79	-119.79	-119.18	-118.78	-119.29	-119.53	932.50					
9.34E+08	-116.20	-118.73	-119.71	-117.28	-119.00	-117.76	933.75		-3.52			
9.35E+08	-116.00	-117.89	-118.56	-116.88	-118.98	-118.27	935.00					
9.36E+08	-117.15	-119.56	-118.75	-117.36	-118.87	-118.75	936.25					
9.38E+08	-117.19	-118.48	-118.94	-116.38	-119.44	-118.75	937.50					
9.39E+08	-117.64	-118.79	-119.76	-116.36	-119.50	-119.44	938.75					
9.40E+08	-117.09	-119.94	-119.37	-118.83	-119.77	-118.89	940.00					
9.41E+08	-117.78	-119.60	-119.11	-118.31	-120.29	-119.63	941.25					
9.43E+08	-116.45	-119.22	-118.92	-117.41	-118.85	-118.34	942.50					
9.44E+08	-118.08	-119.91	-118.85	-118.53	-120.68	-119.79	943.75					
9.45E+08	-106.56	-114.51	-106.78	-111.42	-107.63	-105.66	945.00	-7.95		-4.86		
9.46E+08	-118.78	-120.44	-118.80	-120.80	-119.81	-119.56	946.25					
9.48E+08	-112.97	-118.08	-117.91	-118.65	-110.94	-118.45	947.50	-5.11	-4.93	-5.68		-5.48
9.49E+08	-118.05	-119.99	-119.61	-120.31	-121.11	-119.52	948.75				-3.06	
9.50E+08	-115.69	-119.72	-118.17	-119.96	-115.95	-119.54	950.00	-4.03		-4.26		-3.85
9.51E+08	-111.28	-108.11	-111.75	-105.20	-111.79	-112.35	951.25	3.17		6.07		
9.53E+08	-117.37	-118.75	-118.58	-119.79	-119.88	-120.93	952.50					-3.56

500 MHz- 1 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011

Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.		Comparison						
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq MHz	14- Jan	17- Jan	18- Jan	27- Jan	28- Jan	
								minus the Ambient scan					
								Enter Limit >	dBm	dBm	dBm	dBm	dBm
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)		3.00	3.00	3.00	3.00	3.00	
9.54E+08	-118.38	-119.46	-118.24	-119.16	-119.94	-118.23	953.75						
9.55E+08	-117.59	-119.32	-119.39	-119.95	-119.57	-118.69	955.00						
9.56E+08	-117.75	-119.37	-118.26	-117.01	-119.66	-117.92	956.25						
9.58E+08	-118.52	-118.54	-118.94	-118.50	-119.03	-119.25	957.50						
9.59E+08	-116.89	-119.66	-118.62	-118.48	-118.52	-117.90	958.75						
9.60E+08	-114.08	-118.94	-117.56	-119.07	-119.23	-118.60	960.00	-4.86	-3.48	-4.99	-5.15	-4.52	
9.61E+08	-116.47	-119.91	-118.45	-119.81	-119.80	-120.42	961.25	-3.44		-3.34	-3.32	-3.95	
9.63E+08	-117.34	-118.30	-119.00	-118.57	-120.20	-119.90	962.50						
9.64E+08	-118.68	-119.39	-118.78	-119.25	-119.48	-121.27	963.75						
9.65E+08	-119.10	-120.13	-119.40	-121.08	-120.41	-119.50	965.00						
9.66E+08	-117.46	-119.77	-119.19	-118.55	-119.78	-119.58	966.25						
9.68E+08	-118.05	-119.68	-119.00	-120.35	-119.50	-119.17	967.50						
9.69E+08	-117.81	-119.96	-119.57	-118.49	-120.48	-118.30	968.75						
9.70E+08	-118.01	-118.96	-118.53	-118.51	-119.89	-119.57	970.00						
9.71E+08	-117.05	-119.14	-118.61	-118.86	-119.36	-119.52	971.25						
9.73E+08	-118.22	-118.06	-118.87	-119.75	-119.70	-117.76	972.50						
9.74E+08	-117.37	-119.47	-118.39	-120.13	-119.35	-118.40	973.75						
9.75E+08	-117.24	-119.50	-118.77	-119.72	-119.44	-118.26	975.00						
9.76E+08	-116.79	-118.46	-118.38	-118.63	-118.99	-119.05	976.25						
9.78E+08	-118.61	-118.57	-118.84	-118.57	-119.82	-118.93	977.50						
9.79E+08	-117.38	-119.16	-118.76	-118.76	-119.38	-118.66	978.75						
9.80E+08	-118.89	-119.50	-118.89	-118.49	-119.99	-118.51	980.00						
9.81E+08	-116.49	-116.91	-117.99	-118.45	-117.68	-113.56	981.25						
9.83E+08	-118.21	-119.97	-118.96	-118.89	-120.18	-119.33	982.50						
9.84E+08	-117.73	-119.50	-119.33	-120.43	-119.82	-119.15	983.75						
9.85E+08	-117.47	-119.15	-119.41	-120.21	-119.45	-119.71	985.00						

500 MHz- 1 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011

Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.	Comparison						
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq MHz	14- Jan	17- Jan	18- Jan	27- Jan	28- Jan
							Enter Limit	minus the Ambient scan				
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	>	dBm	dBm	dBm	dBm	dBm
9.86E+08	-117.50	-120.61	-118.90	-120.47	-120.17	-119.71	986.25	3.00	3.00	3.00	3.00	3.00
9.88E+08	-117.80	-118.90	-118.47	-118.27	-120.55	-119.29	987.50	-3.11				
9.89E+08	-117.09	-119.83	-119.64	-120.28	-119.99	-118.96	988.75			-3.20		
9.90E+08	-117.45	-119.50	-119.42	-119.05	-119.61	-119.34	990.00					
9.91E+08	-118.14	-118.99	-118.81	-120.02	-119.42	-118.71	991.25					
9.93E+08	-117.45	-119.73	-118.57	-118.96	-120.22	-118.13	992.50					
9.94E+08	-116.93	-119.03	-118.69	-118.60	-118.58	-118.36	993.75					
9.95E+08	-118.02	-119.16	-118.31	-118.96	-118.84	-119.06	995.00					
9.96E+08	-118.14	-118.90	-118.58	-119.41	-118.90	-118.60	996.25					
9.98E+08	-118.13	-118.43	-117.77	-118.11	-118.52	-117.90	997.50					
9.99E+08	-117.97	-118.48	-119.81	-119.30	-119.58	-119.06	998.75					
1.00E+09	-118.54	-118.40	-118.43	-119.57	-119.20	-118.78	1000.00					
Sum of column								-103.63	-60.31	-298.40	-86.60	-78.86

Attenuation (dB)
0

Center Frequency (Hz)
750000000

Date/Time
1/6/2011 13:11

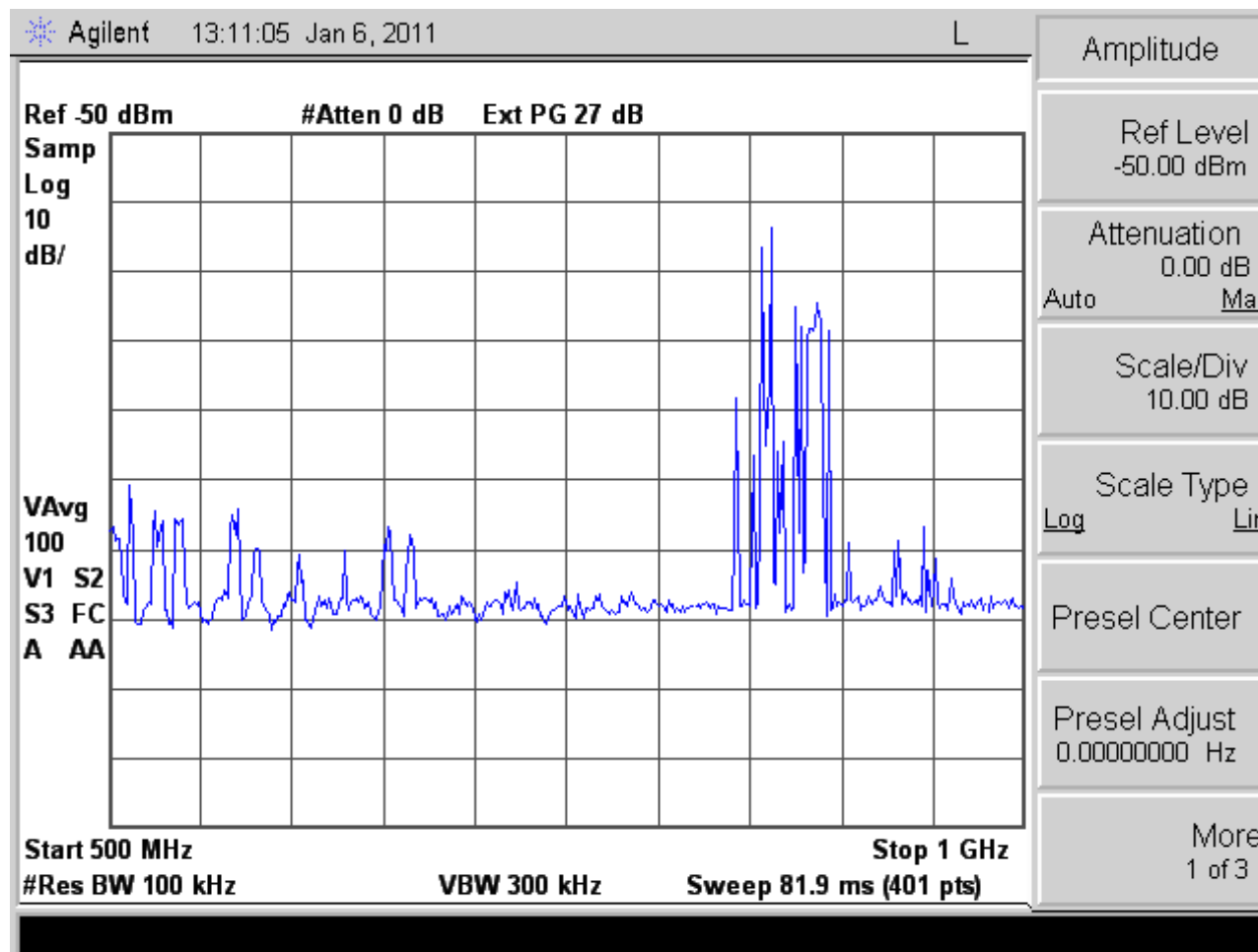
Instrument Model
E4407B

Instrument Serial Number
MY45116875

Reference Level (dBm)
-50

Resolution BW (Hz)
100000

Scale Type
LOG



Span Frequency (Hz)
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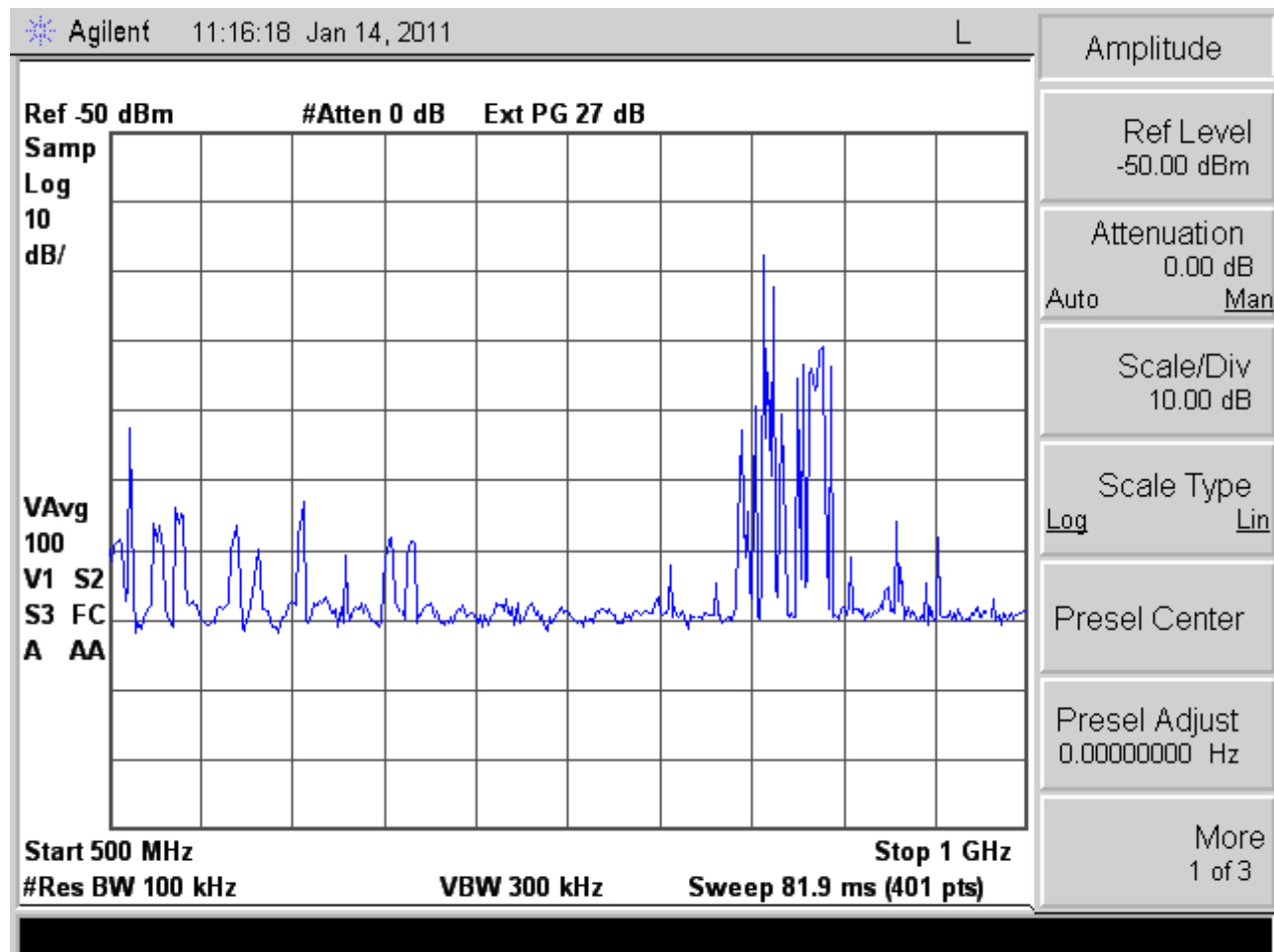
Start Frequency (Hz)
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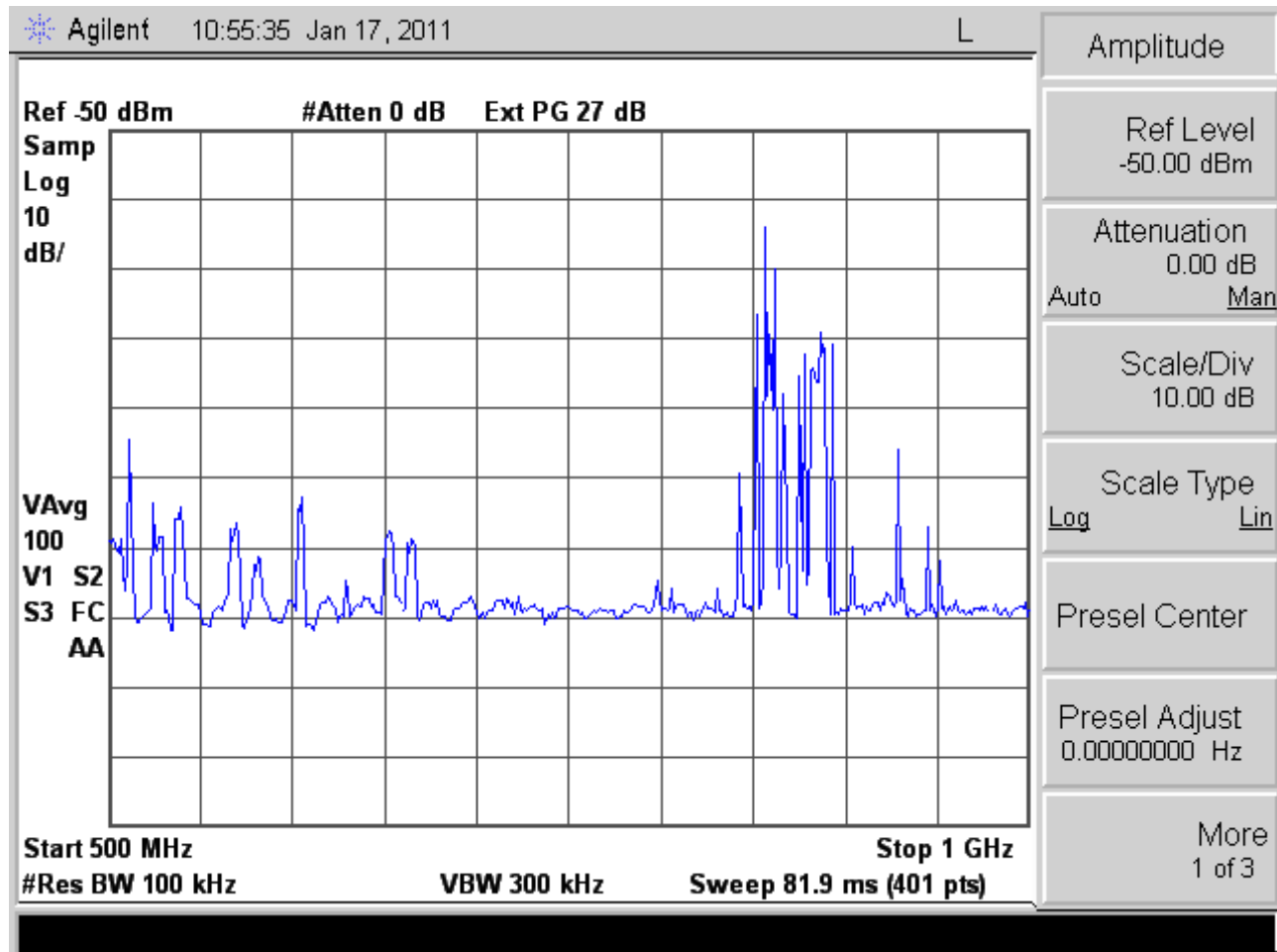
Stop Frequency (Hz)
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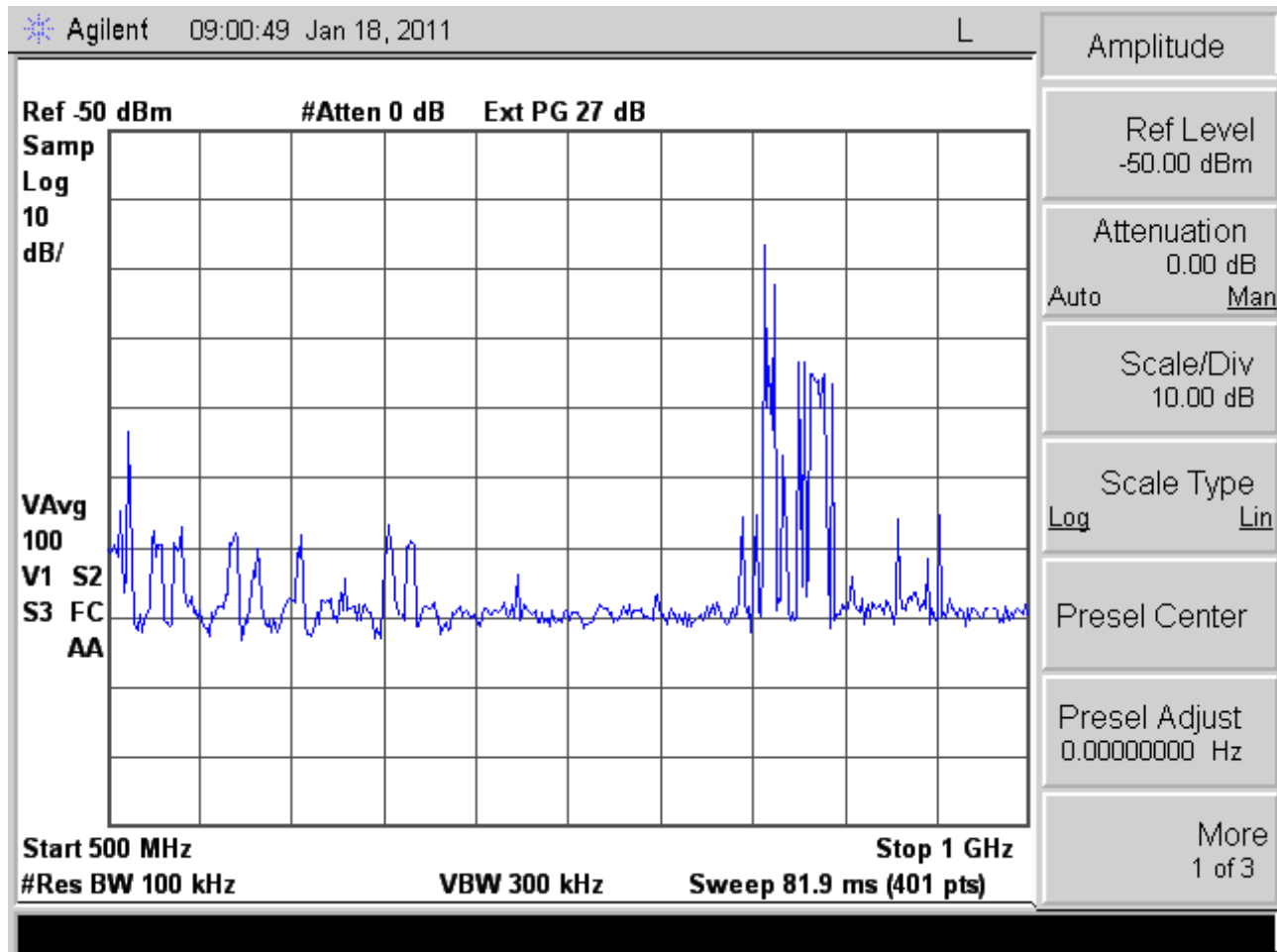
Sweep Number Of Points
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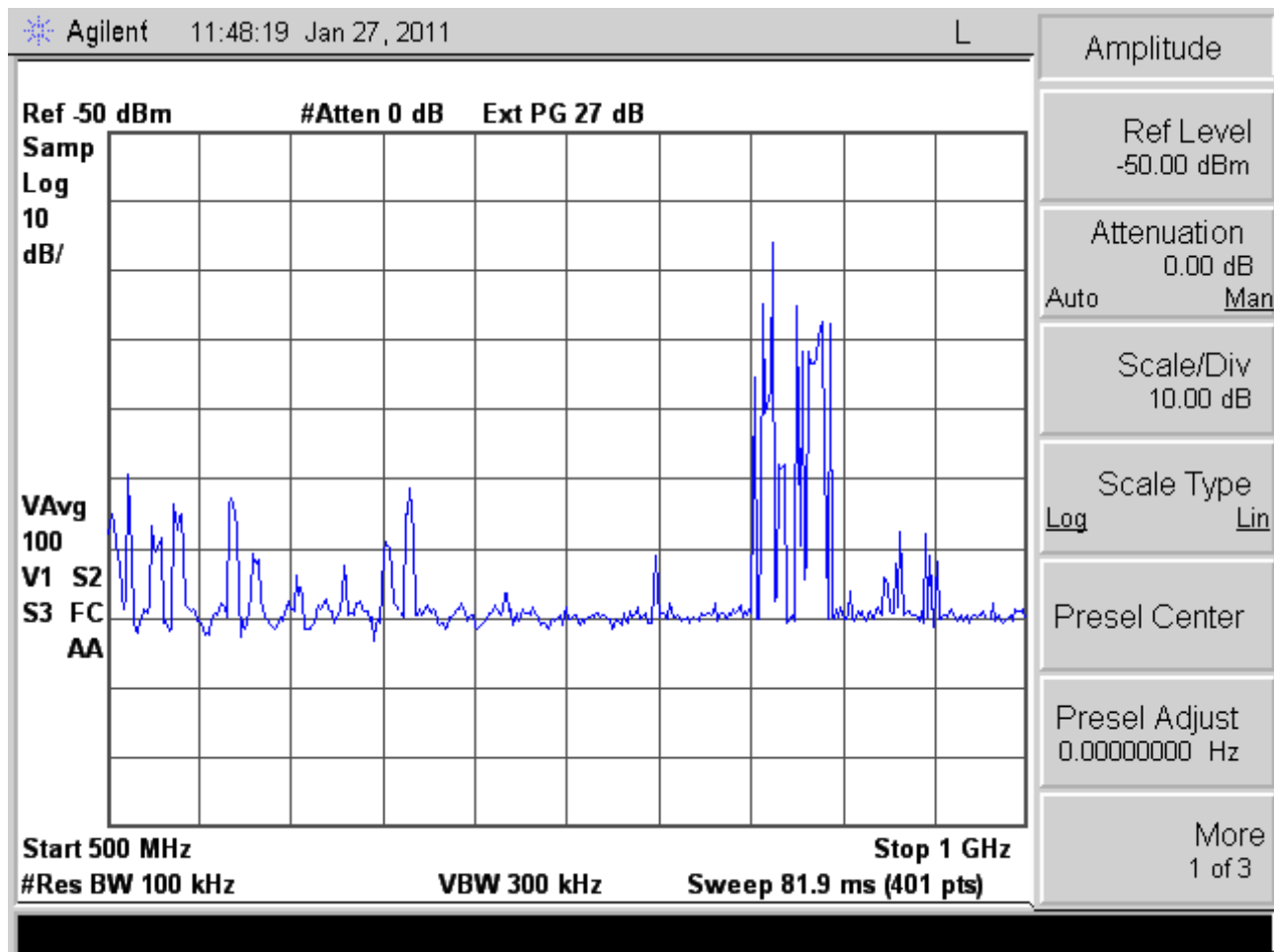
Sweep Time (seconds)
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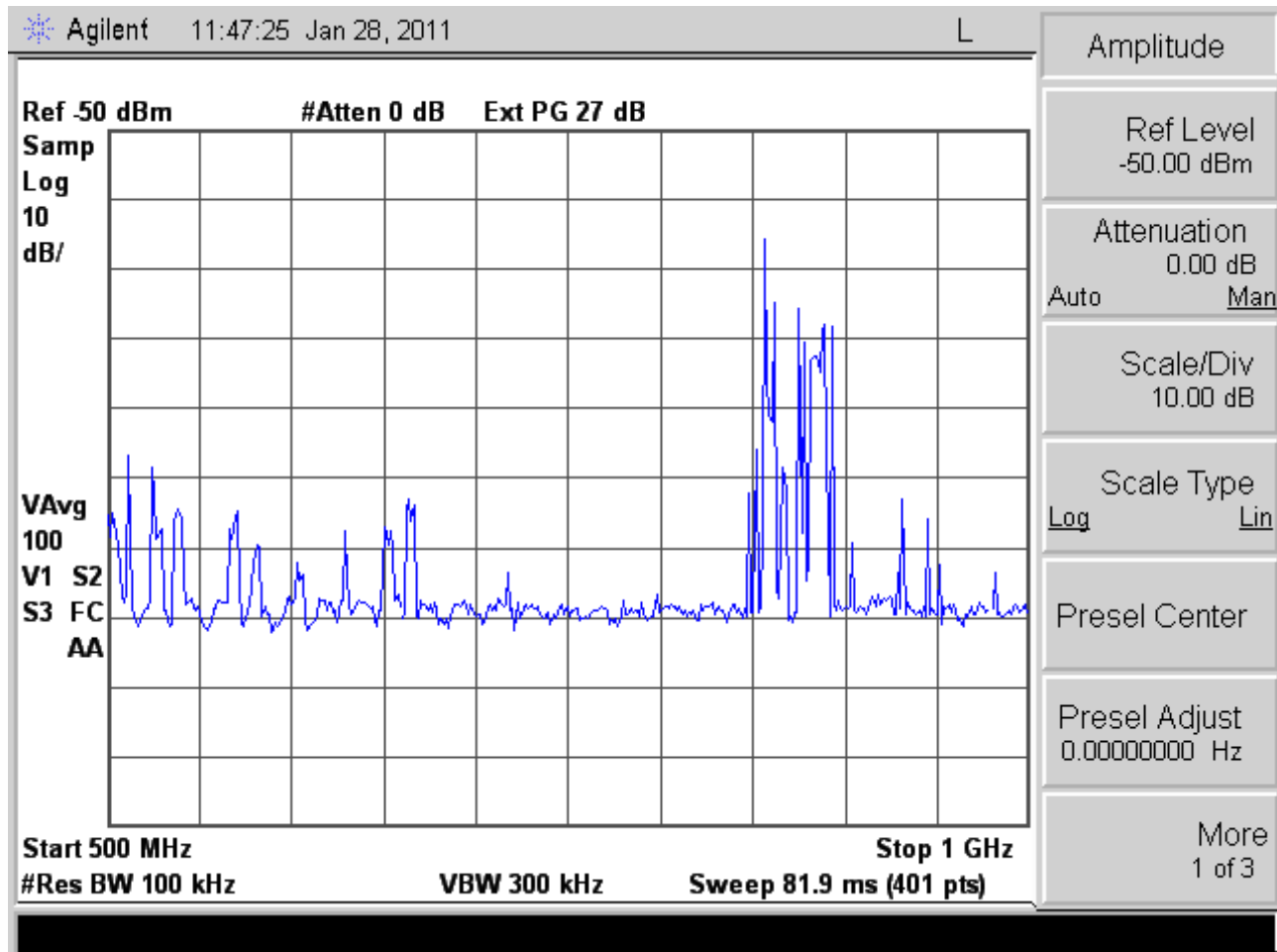
Video BW (Hz)
300000











1 -2 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011								Comparison				
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.			14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq GHz	minus the Ambient scan				
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	dBm	dBm	dBm	dBm	dBm
1.00E+09	-118.62	-121.30	-119.36	-119.81	-119.57	-119.65	1.00	3.00	3.00	3.00	3.00	3.00
1.00E+09	-117.98	-119.59	-118.94	-118.71	-119.91	-120.22	1.00					
1.01E+09	-118.89	-120.25	-118.87	-118.91	-118.97	-118.44	1.01					
1.01E+09	-118.38	-118.29	-119.49	-118.32	-119.15	-118.74	1.01					
1.01E+09	-118.41	-119.95	-118.90	-119.30	-119.07	-119.08	1.01					
1.01E+09	-117.41	-115.22	-115.81	-115.46	-117.83	-115.47	1.01					
1.02E+09	-117.81	-117.78	-118.75	-119.35	-120.43	-120.12	1.02					
1.02E+09	-117.83	-118.78	-118.49	-119.05	-120.29	-119.76	1.02					
1.02E+09	-118.22	-119.32	-119.43	-120.18	-119.11	-117.68	1.02					
1.02E+09	-117.16	-119.97	-119.38	-119.15	-119.72	-120.04	1.02					
1.03E+09	-118.10	-119.33	-119.04	-119.78	-120.01	-119.64	1.03					
1.03E+09	-117.82	-119.19	-118.34	-119.46	-119.86	-119.53	1.03					
1.03E+09	-117.69	-119.87	-119.37	-118.73	-119.71	-117.98	1.03					
1.03E+09	-117.63	-119.10	-118.73	-119.23	-119.36	-117.85	1.03					
1.04E+09	-117.49	-120.06	-119.89	-118.71	-119.03	-119.00	1.04					
1.04E+09	-118.00	-120.17	-118.88	-118.55	-119.47	-118.31	1.04					
1.04E+09	-117.68	-119.00	-118.79	-118.75	-119.28	-118.11	1.04					
1.04E+09	-117.30	-118.92	-118.79	-118.41	-120.36	-119.61	1.04				-3.07	
1.05E+09	-118.22	-119.98	-118.50	-119.86	-119.14	-119.15	1.05					
1.05E+09	-117.34	-118.93	-118.52	-119.32	-120.05	-118.27	1.05					
1.05E+09	-117.24	-119.20	-118.30	-118.90	-119.44	-117.70	1.05					
1.05E+09	-117.32	-118.51	-118.81	-118.60	-117.74	-119.16	1.05					
1.06E+09	-117.79	-118.77	-118.78	-119.57	-119.61	-118.44	1.06					
1.06E+09	-118.15	-119.14	-118.61	-119.43	-120.46	-118.00	1.06					

1 -2 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.		Comparison					
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq GHz Enter Limit >	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
								minus the Ambient scan				
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)		dBm	dBm	dBm	dBm	dBm
								3.00	3.00	3.00	3.00	3.00
1.06E+09	-117.89	-119.47	-118.24	-118.26	-119.15	-119.45	1.06					
1.06E+09	-117.79	-119.97	-118.85	-118.75	-119.06	-118.93	1.06					
1.07E+09	-117.47	-118.50	-118.44	-119.32	-118.72	-120.27	1.07					
1.07E+09	-117.14	-118.52	-118.53	-118.11	-118.78	-117.82	1.07					
1.07E+09	-117.42	-118.50	-118.96	-118.60	-119.03	-118.67	1.07					
1.07E+09	-117.87	-119.12	-118.20	-119.15	-119.61	-119.31	1.07					
1.08E+09	-118.11	-119.32	-118.48	-118.17	-119.90	-118.90	1.08					
1.08E+09	-118.07	-119.26	-118.72	-119.73	-119.21	-119.17	1.08					
1.08E+09	-117.40	-118.75	-118.87	-119.31	-119.33	-119.11	1.08					
1.08E+09	-117.32	-118.20	-117.80	-120.21	-117.97	-118.90	1.08					
1.09E+09	-117.42	-119.41	-118.77	-118.83	-119.07	-118.64	1.09					
1.09E+09	-117.66	-120.04	-118.64	-117.96	-119.54	-118.39	1.09					
1.09E+09	-117.27	-119.93	-118.88	-117.85	-117.72	-118.90	1.09					
1.09E+09	-117.91	-119.61	-119.45	-119.04	-119.62	-118.00	1.09					
1.10E+09	-118.38	-119.58	-119.38	-119.60	-119.06	-118.19	1.10					
1.10E+09	-118.56	-120.24	-118.54	-119.48	-119.88	-119.27	1.10					
1.10E+09	-118.49	-118.08	-119.65	-118.39	-118.71	-118.49	1.10					
1.10E+09	-118.28	-118.68	-118.47	-118.13	-120.06	-118.91	1.10					
1.11E+09	-117.28	-119.19	-118.62	-118.90	-120.04	-118.79	1.11					
1.11E+09	-117.25	-119.19	-118.09	-118.17	-119.85	-119.59	1.11					
1.11E+09	-117.82	-118.45	-118.29	-118.99	-118.86	-120.12	1.11					
1.11E+09	-118.20	-118.58	-118.48	-119.63	-119.87	-119.29	1.11					
1.12E+09	-117.90	-119.05	-119.43	-118.63	-119.16	-119.20	1.12					
1.12E+09	-117.38	-117.85	-118.92	-118.82	-119.75	-116.50	1.12					
1.12E+09	-117.81	-119.45	-118.86	-120.30	-118.78	-118.19	1.12					

1 -2 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011							Comparison				
Ambient Scan	1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan	minus the Ambient scan	
6-Jan-11	14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq GHz	dBm	dBm	dBm	dBm	dBm
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	3.00	3.00	3.00	3.00
1.12E+09	-116.55	-118.65	-118.45	-119.24	-118.85	-117.88	1.12				
1.13E+09	-117.64	-118.60	-118.53	-118.69	-119.29	-115.80	1.13				
1.13E+09	-117.86	-118.84	-119.38	-119.04	-118.42	-116.29	1.13				
1.13E+09	-117.63	-118.56	-119.84	-119.36	-119.78	-117.71	1.13				
1.13E+09	-117.72	-118.35	-119.07	-118.76	-119.44	-117.50	1.13				
1.14E+09	-117.68	-119.41	-118.43	-119.19	-119.86	-119.72	1.14				
1.14E+09	-119.13	-119.13	-118.45	-118.93	-119.53	-118.43	1.14				
1.14E+09	-117.83	-119.21	-117.81	-118.63	-118.46	-118.52	1.14				
1.14E+09	-118.01	-119.66	-118.56	-119.66	-118.52	-119.06	1.14				
1.15E+09	-117.72	-119.53	-117.60	-118.50	-118.88	-119.30	1.15				
1.15E+09	-117.99	-119.34	-119.04	-118.18	-121.04	-118.10	1.15			-3.05	
1.15E+09	-118.21	-119.75	-118.48	-118.54	-119.25	-119.68	1.15				
1.15E+09	-118.20	-119.79	-119.97	-118.97	-119.94	-118.34	1.15				
1.16E+09	-117.91	-118.91	-119.43	-119.87	-119.64	-118.15	1.16				
1.16E+09	-118.56	-119.32	-119.25	-118.96	-119.49	-118.81	1.16				
1.16E+09	-117.70	-120.94	-119.06	-118.06	-118.91	-118.61	1.16	-3.25			
1.16E+09	-118.17	-119.05	-118.92	-118.69	-119.70	-119.59	1.16				
1.17E+09	-117.79	-119.35	-119.41	-119.17	-119.82	-119.69	1.17				
1.17E+09	-117.98	-119.74	-118.99	-119.96	-119.18	-119.61	1.17				
1.17E+09	-117.17	-119.74	-117.96	-118.38	-120.52	-119.37	1.17			-3.35	
1.17E+09	-118.07	-119.37	-118.15	-118.85	-119.68	-118.43	1.17				
1.18E+09	-117.71	-119.01	-118.87	-118.12	-118.81	-119.07	1.18				
1.18E+09	-117.69	-119.24	-118.34	-118.35	-119.32	-120.39	1.18				
1.18E+09	-117.75	-118.76	-119.08	-117.65	-119.18	-119.24	1.18				
1.18E+09	-117.83	-119.00	-119.14	-119.16	-119.65	-119.46	1.18				

1 -2 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011							Comparison				
Ambient Scan	1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan	minus the Ambient scan	
6-Jan-11	14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq GHz	dBm	dBm	dBm	dBm	dBm
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	3.00	3.00	3.00	3.00
1.19E+09	-117.71	-119.08	-119.13	-118.53	-119.10	-118.18	1.19				
1.19E+09	-118.38	-118.75	-118.02	-119.71	-118.63	-119.42	1.19				
1.19E+09	-118.57	-118.92	-118.89	-118.28	-120.48	-119.78	1.19				
1.19E+09	-118.65	-118.79	-118.26	-118.36	-120.86	-119.27	1.19				
1.20E+09	-119.05	-120.04	-118.61	-118.16	-119.28	-119.25	1.20				
1.20E+09	-117.29	-119.68	-118.94	-118.22	-121.05	-120.09	1.20			-3.76	
1.20E+09	-118.92	-118.16	-119.52	-118.04	-119.66	-118.75	1.20				
1.20E+09	-118.32	-118.78	-118.98	-119.17	-120.44	-119.55	1.20				
1.21E+09	-117.87	-119.27	-117.93	-118.94	-120.93	-118.04	1.21			-3.05	
1.21E+09	-118.83	-118.86	-119.38	-118.36	-119.01	-117.51	1.21				
1.21E+09	-117.05	-119.35	-118.25	-118.50	-120.15	-118.00	1.21			-3.09	
1.21E+09	-118.98	-120.66	-118.60	-118.88	-119.22	-119.46	1.21				
1.22E+09	-117.64	-118.73	-118.42	-119.10	-119.20	-119.11	1.22				
1.22E+09	-117.33	-119.10	-118.35	-119.01	-120.00	-119.24	1.22				
1.22E+09	-117.16	-119.60	-117.46	-118.64	-118.92	-118.11	1.22				
1.22E+09	-117.58	-119.01	-117.59	-117.49	-119.28	-120.72	1.22			-3.14	
1.23E+09	-117.72	-118.80	-117.66	-118.98	-119.48	-119.38	1.23				
1.23E+09	-119.20	-119.43	-118.26	-119.39	-118.06	-118.65	1.23				
1.23E+09	-118.80	-118.98	-118.50	-119.27	-119.88	-119.73	1.23				
1.23E+09	-115.67	-118.14	-117.57	-118.40	-117.81	-116.53	1.23				
1.24E+09	-115.10	-116.18	-117.26	-114.85	-118.48	-118.32	1.24			-3.37	-3.21
1.24E+09	-116.54	-118.07	-117.59	-117.67	-118.41	-118.78	1.24				
1.24E+09	-117.62	-118.52	-119.00	-117.81	-118.12	-118.86	1.24				
1.24E+09	-117.59	-118.94	-117.66	-117.71	-118.38	-118.64	1.24				
1.25E+09	-116.76	-118.32	-118.35	-118.70	-119.81	-117.99	1.25			-3.05	

1 -2 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011							Comparison				
Ambient Scan	1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan	minus the Ambient scan	
6-Jan-11	14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq GHz	dBm	dBm	dBm	dBm	dBm
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	3.00	3.00	3.00	3.00
1.25E+09	-117.61	-119.13	-118.83	-117.62	-117.89	-119.77	1.25				
1.25E+09	-116.34	-118.27	-117.22	-117.37	-118.75	-117.10	1.25				
1.25E+09	-117.10	-119.21	-117.75	-118.63	-117.90	-118.10	1.25				
1.26E+09	-117.91	-117.60	-118.63	-117.11	-118.74	-119.54	1.26				
1.26E+09	-116.20	-117.94	-119.38	-118.71	-118.62	-118.82	1.26	-3.18			
1.26E+09	-117.76	-118.47	-118.33	-118.00	-119.71	-117.04	1.26				
1.26E+09	-118.05	-119.26	-117.94	-120.11	-120.24	-118.12	1.26				
1.27E+09	-117.98	-119.18	-119.12	-118.75	-119.51	-119.20	1.27				
1.27E+09	-117.65	-119.78	-119.59	-118.09	-120.48	-119.10	1.27				
1.27E+09	-117.54	-118.73	-119.26	-118.57	-119.38	-119.26	1.27				
1.27E+09	-118.05	-119.44	-118.96	-119.80	-119.62	-119.87	1.27				
1.28E+09	-117.43	-119.63	-118.50	-117.43	-118.91	-119.54	1.28				
1.28E+09	-117.51	-118.60	-118.32	-120.31	-119.33	-119.02	1.28				
1.28E+09	-117.85	-118.60	-118.32	-119.93	-120.48	-119.31	1.28				
1.28E+09	-117.51	-118.69	-118.47	-119.18	-118.55	-118.39	1.28				
1.29E+09	-117.79	-119.29	-120.01	-118.95	-119.94	-118.74	1.29				
1.29E+09	-117.80	-119.90	-119.17	-118.89	-118.78	-118.66	1.29				
1.29E+09	-118.39	-119.67	-119.47	-118.76	-118.32	-118.86	1.29				
1.29E+09	-117.47	-118.90	-117.92	-119.10	-120.11	-120.11	1.29				
1.30E+09	-117.96	-119.37	-118.44	-119.32	-119.51	-120.04	1.30				
1.30E+09	-118.31	-120.19	-118.39	-117.59	-121.04	-118.55	1.30				
1.30E+09	-118.24	-120.46	-117.93	-119.24	-119.90	-119.72	1.30				
1.30E+09	-118.39	-120.14	-119.58	-118.90	-120.44	-119.94	1.30				
1.31E+09	-117.86	-118.98	-118.15	-119.75	-118.09	-119.35	1.31				
1.31E+09	-117.52	-119.59	-119.25	-118.64	-120.16	-119.48	1.31				

1 -2 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011							Comparison				
Ambient Scan	1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan	minus the Ambient scan	
6-Jan-11	14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq GHz	dBm	dBm	dBm	dBm	dBm
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	3.00	3.00	3.00	3.00
1.31E+09	-117.93	-120.34	-118.49	-118.91	-119.16	-118.20	1.31				
1.31E+09	-118.14	-119.09	-118.86	-118.45	-118.67	-117.97	1.31				
1.32E+09	-117.46	-119.75	-119.57	-118.56	-118.49	-119.20	1.32				
1.32E+09	-118.16	-119.84	-119.14	-118.65	-120.18	-118.99	1.32				
1.32E+09	-117.62	-118.55	-119.32	-118.75	-119.50	-119.92	1.32				
1.32E+09	-117.74	-119.40	-118.12	-119.58	-118.88	-119.18	1.32				
1.33E+09	-117.86	-118.37	-118.93	-118.31	-119.35	-119.56	1.33				
1.33E+09	-117.15	-119.47	-118.79	-118.21	-120.17	-118.23	1.33			-3.02	
1.33E+09	-117.85	-119.22	-118.09	-118.28	-118.92	-119.21	1.33				
1.33E+09	-117.81	-118.99	-118.56	-118.50	-119.54	-119.39	1.33				
1.34E+09	-118.54	-119.82	-118.64	-120.23	-120.77	-120.57	1.34				
1.34E+09	-117.78	-119.28	-119.45	-119.11	-119.83	-119.33	1.34				
1.34E+09	-118.14	-119.08	-118.77	-119.29	-121.71	-118.88	1.34			-3.57	
1.34E+09	-117.70	-118.55	-118.46	-118.14	-119.78	-118.90	1.34				
1.35E+09	-117.90	-120.43	-117.91	-118.86	-119.96	-117.72	1.35				
1.35E+09	-117.39	-119.48	-118.49	-119.09	-119.20	-118.25	1.35				
1.35E+09	-118.35	-118.57	-119.28	-119.23	-120.20	-119.43	1.35				
1.35E+09	-117.81	-120.75	-118.82	-118.31	-118.32	-119.62	1.35				
1.36E+09	-117.41	-120.20	-118.49	-119.03	-120.12	-118.72	1.36				
1.36E+09	-118.79	-118.73	-118.46	-118.80	-119.91	-120.16	1.36				
1.36E+09	-117.53	-119.48	-119.36	-118.79	-119.51	-119.00	1.36				
1.36E+09	-117.41	-118.10	-118.80	-119.59	-120.31	-119.92	1.36				
1.37E+09	-117.87	-119.88	-118.59	-118.45	-118.33	-119.11	1.37				
1.37E+09	-118.19	-119.92	-118.72	-118.50	-119.30	-118.50	1.37				
1.37E+09	-117.63	-119.04	-119.47	-118.81	-119.55	-118.17	1.37				

1 -2 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.		Comparison					
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq GHz Enter Limit >	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
minus the Ambient scan												
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)		dBm	dBm	dBm	dBm	dBm
								3.00	3.00	3.00	3.00	3.00
1.37E+09	-118.07	-118.87	-118.15	-118.36	-119.65	-118.41	1.37					
1.38E+09	-117.58	-119.90	-118.34	-117.97	-119.49	-118.50	1.38					
1.38E+09	-117.81	-119.97	-119.54	-118.44	-119.94	-118.89	1.38					
1.38E+09	-118.16	-119.24	-118.76	-118.43	-120.04	-119.07	1.38					
1.38E+09	-117.65	-119.25	-118.76	-119.16	-120.74	-118.23	1.38				-3.09	
1.39E+09	-117.86	-119.30	-118.68	-117.82	-118.12	-119.19	1.39					
1.39E+09	-117.47	-120.04	-117.68	-119.03	-119.42	-118.72	1.39					
1.39E+09	-118.35	-120.38	-119.23	-118.93	-119.56	-118.41	1.39					
1.39E+09	-117.37	-119.24	-119.68	-119.25	-119.93	-118.30	1.39					
1.40E+09	-117.85	-119.67	-119.32	-119.51	-119.24	-117.93	1.40					
1.40E+09	-117.96	-118.88	-118.77	-118.99	-120.17	-119.79	1.40					
1.40E+09	-117.50	-119.51	-118.96	-118.55	-118.61	-119.97	1.40					
1.40E+09	-117.52	-120.25	-118.60	-118.65	-120.40	-117.47	1.40					
1.41E+09	-117.67	-119.94	-118.43	-119.28	-119.18	-119.22	1.41					
1.41E+09	-117.25	-119.96	-119.16	-118.86	-120.41	-119.02	1.41				-3.16	
1.41E+09	-118.05	-119.73	-118.34	-118.79	-119.45	-119.62	1.41					
1.41E+09	-117.86	-119.41	-118.09	-119.12	-120.53	-118.17	1.41					
1.42E+09	-118.01	-120.34	-118.72	-118.79	-119.86	-119.04	1.42					
1.42E+09	-118.05	-119.64	-119.14	-118.65	-119.64	-118.61	1.42					
1.42E+09	-117.49	-119.06	-118.61	-118.05	-120.09	-119.63	1.42					
1.42E+09	-117.64	-118.94	-118.15	-119.03	-119.97	-119.60	1.42					
1.43E+09	-117.57	-117.94	-119.68	-118.99	-119.56	-118.86	1.43					
1.43E+09	-117.92	-118.57	-118.91	-118.59	-119.42	-119.57	1.43					
1.43E+09	-117.88	-120.33	-118.87	-118.67	-120.36	-119.63	1.43					
1.43E+09	-117.28	-119.28	-118.82	-118.75	-119.07	-118.63	1.43					

1 -2 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011							Comparison				
Ambient Scan	1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan	minus the Ambient scan	
6-Jan-11	14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq GHz	dBm	dBm	dBm	dBm	dBm
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	3.00	3.00	3.00	3.00
1.44E+09	-118.04	-118.40	-118.83	-118.41	-120.07	-119.66	1.44				
1.44E+09	-117.54	-118.97	-119.76	-119.48	-120.90	-118.58	1.44			-3.36	
1.44E+09	-117.96	-119.18	-118.77	-119.25	-120.38	-119.15	1.44				
1.44E+09	-117.91	-119.39	-118.05	-118.48	-119.66	-119.99	1.44				
1.45E+09	-118.28	-119.68	-118.96	-118.89	-119.22	-118.12	1.45				
1.45E+09	-118.07	-120.43	-119.23	-119.14	-118.77	-118.78	1.45				
1.45E+09	-118.06	-119.27	-118.52	-118.83	-119.85	-119.36	1.45				
1.45E+09	-118.26	-119.68	-119.03	-119.32	-119.59	-119.50	1.45				
1.46E+09	-117.65	-120.28	-118.49	-118.33	-119.56	-118.59	1.46				
1.46E+09	-117.15	-119.31	-118.77	-119.42	-119.08	-118.65	1.46				
1.46E+09	-118.76	-119.48	-118.94	-119.09	-119.79	-118.74	1.46				
1.46E+09	-118.78	-121.14	-118.61	-117.87	-120.21	-119.02	1.46				
1.47E+09	-118.10	-119.49	-119.24	-119.43	-119.77	-118.63	1.47				
1.47E+09	-118.10	-119.30	-119.46	-119.91	-119.69	-120.37	1.47				
1.47E+09	-118.09	-119.24	-117.76	-119.44	-120.49	-118.36	1.47				
1.47E+09	-118.03	-119.07	-119.34	-119.41	-119.87	-119.02	1.47				
1.48E+09	-118.20	-119.61	-118.76	-118.87	-119.00	-120.30	1.48				
1.48E+09	-117.59	-119.03	-118.68	-119.04	-118.94	-118.46	1.48				
1.48E+09	-117.20	-119.61	-118.06	-120.61	-120.33	-118.60	1.48		-3.41	-3.13	
1.48E+09	-117.82	-119.54	-118.96	-119.16	-119.46	-118.82	1.48				
1.49E+09	-117.89	-118.81	-118.62	-119.32	-118.86	-120.43	1.49				
1.49E+09	-118.83	-119.36	-118.75	-119.95	-119.73	-120.27	1.49				
1.49E+09	-117.72	-119.54	-118.33	-119.47	-119.43	-118.62	1.49				
1.49E+09	-117.79	-119.63	-118.59	-119.82	-119.94	-118.67	1.49				
1.50E+09	-117.44	-120.68	-118.18	-118.44	-120.70	-118.33	1.50	-3.25		-3.26	

1 -2 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011							Comparison				
Ambient Scan	1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.			14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
6-Jan-11	14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq GHz	minus the Ambient scan				
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	dBm	dBm	dBm	dBm	dBm
Enter Limit >							3.00	3.00	3.00	3.00	3.00
1.50E+09	-117.48	-120.13	-119.03	-118.70	-119.22	-118.89	1.50				
1.50E+09	-117.20	-119.01	-119.32	-118.92	-119.64	-118.68	1.50				
1.50E+09	-117.05	-117.63	-119.39	-118.21	-120.19	-118.23	1.50			-3.14	
1.51E+09	-118.21	-119.56	-118.08	-118.40	-119.39	-119.48	1.51				
1.51E+09	-117.29	-120.38	-119.53	-119.21	-119.36	-118.72	1.51	-3.10			
1.51E+09	-117.78	-118.37	-118.97	-118.45	-118.44	-119.93	1.51				
1.51E+09	-118.06	-120.07	-118.21	-120.64	-119.64	-119.41	1.51				
1.52E+09	-117.64	-118.93	-118.54	-119.50	-120.56	-118.29	1.52				
1.52E+09	-117.79	-119.83	-119.03	-118.41	-119.46	-118.26	1.52				
1.52E+09	-117.90	-119.82	-117.98	-117.67	-120.09	-118.67	1.52				
1.52E+09	-117.64	-119.58	-119.07	-118.97	-119.76	-118.88	1.52				
1.53E+09	-117.71	-118.62	-117.72	-118.57	-119.46	-118.68	1.53				
1.53E+09	-117.75	-120.24	-119.21	-118.67	-119.69	-119.53	1.53				
1.53E+09	-117.78	-118.82	-119.56	-118.19	-119.45	-118.91	1.53				
1.53E+09	-118.36	-118.37	-118.99	-118.46	-119.21	-118.27	1.53				
1.54E+09	-117.69	-121.50	-118.40	-119.03	-119.64	-118.50	1.54	-3.81			
1.54E+09	-117.82	-118.33	-119.02	-118.90	-119.36	-120.18	1.54				
1.54E+09	-117.23	-119.69	-118.23	-119.21	-119.59	-118.21	1.54				
1.54E+09	-118.09	-119.21	-118.87	-118.59	-119.91	-119.49	1.54				
1.55E+09	-118.38	-118.91	-118.51	-118.21	-119.36	-119.38	1.55				
1.55E+09	-117.51	-118.66	-118.69	-118.93	-120.38	-118.25	1.55				
1.55E+09	-118.00	-120.26	-118.58	-119.24	-119.82	-118.97	1.55				
1.55E+09	-118.00	-119.03	-119.32	-119.47	-120.17	-120.17	1.55				
1.56E+09	-117.00	-117.74	-117.92	-117.36	-118.59	-118.81	1.56				
1.56E+09	-117.70	-119.13	-118.89	-119.36	-118.86	-118.28	1.56				

1 -2 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011								Comparison				
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.		Freq GHz Enter Limit >	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11		minus the Ambient scan				
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)		dBm	dBm	dBm	dBm	dBm
1.56E+09	-118.16	-120.13	-118.29	-119.48	-117.96	-118.79	1.56	3.00	3.00	3.00	3.00	3.00
1.56E+09	-117.59	-119.63	-118.26	-120.08	-120.03	-118.82	1.56					
1.57E+09	-118.16	-119.12	-119.59	-118.55	-119.96	-119.31	1.57					
1.57E+09	-117.93	-120.03	-118.58	-118.78	-119.83	-118.92	1.57					
1.57E+09	-117.44	-119.46	-117.99	-118.33	-119.50	-118.29	1.57					
1.57E+09	-118.12	-119.60	-118.75	-118.93	-119.36	-120.29	1.57					
1.58E+09	-118.57	-120.06	-118.82	-118.47	-119.94	-118.41	1.58					
1.58E+09	-117.90	-119.93	-119.50	-117.80	-118.81	-118.49	1.58					
1.58E+09	-118.41	-118.75	-118.73	-118.46	-119.48	-118.85	1.58					
1.58E+09	-117.19	-120.74	-118.51	-119.54	-119.72	-119.62	1.58	-3.55				
1.59E+09	-117.54	-118.93	-118.33	-118.89	-120.39	-119.80	1.59					
1.59E+09	-117.65	-119.47	-118.65	-117.71	-119.05	-119.07	1.59					
1.59E+09	-117.90	-118.71	-118.89	-118.70	-120.00	-119.90	1.59					
1.59E+09	-117.74	-119.69	-118.53	-118.04	-119.42	-118.55	1.59					
1.60E+09	-117.33	-118.69	-119.36	-118.43	-119.88	-118.51	1.60					
1.60E+09	-117.80	-118.90	-117.46	-118.19	-118.55	-118.61	1.60					
1.60E+09	-117.38	-118.36	-118.38	-118.81	-119.73	-118.71	1.60					
1.60E+09	-117.51	-118.74	-118.28	-119.15	-119.31	-119.48	1.60					
1.61E+09	-118.24	-119.94	-117.90	-119.50	-119.38	-118.79	1.61					
1.61E+09	-117.26	-119.80	-118.99	-120.32	-119.18	-118.72	1.61			-3.06		
1.61E+09	-117.31	-119.84	-118.01	-118.69	-119.62	-119.00	1.61					
1.61E+09	-118.02	-119.47	-119.16	-118.49	-119.15	-118.14	1.61					
1.62E+09	-117.28	-118.79	-118.57	-118.75	-118.67	-118.35	1.62					
1.62E+09	-117.15	-119.26	-118.70	-118.50	-120.60	-119.42	1.62				-3.45	
1.62E+09	-118.40	-118.74	-118.97	-118.27	-119.14	-119.27	1.62					

1 -2 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011							Comparison				
Ambient Scan	1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.			14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
6-Jan-11	14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq GHz	minus the Ambient scan				
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	dBm	dBm	dBm	dBm	dBm
						Enter Limit >	3.00	3.00	3.00	3.00	3.00
1.62E+09	-117.63	-119.59	-118.82	-120.07	-119.68	-118.70	1.62				
1.63E+09	-117.43	-121.00	-118.50	-118.17	-120.76	-119.03	1.63	-3.57		-3.33	
1.63E+09	-117.46	-120.55	-119.46	-118.13	-119.91	-119.21	1.63	-3.09			
1.63E+09	-117.48	-119.64	-118.14	-119.02	-119.77	-118.01	1.63				
1.63E+09	-117.66	-119.20	-119.12	-117.84	-120.58	-118.41	1.63				
1.64E+09	-118.29	-118.25	-119.16	-118.93	-119.30	-119.26	1.64				
1.64E+09	-118.04	-119.30	-117.98	-118.52	-118.75	-118.23	1.64				
1.64E+09	-117.11	-120.47	-118.71	-119.08	-119.61	-118.95	1.64	-3.36			
1.64E+09	-116.80	-119.55	-119.36	-118.20	-119.75	-119.93	1.64				-3.13
1.65E+09	-117.95	-120.04	-119.50	-119.04	-120.25	-119.63	1.65				
1.65E+09	-117.87	-119.52	-119.02	-119.41	-119.24	-119.15	1.65				
1.65E+09	-117.82	-118.65	-119.20	-118.86	-118.71	-117.45	1.65				
1.65E+09	-117.11	-119.58	-118.53	-119.51	-120.22	-118.06	1.65			-3.11	
1.66E+09	-117.30	-119.48	-118.85	-118.14	-119.55	-118.29	1.66				
1.66E+09	-117.78	-118.83	-118.24	-118.93	-119.18	-117.72	1.66				
1.66E+09	-117.87	-119.75	-118.60	-118.41	-119.57	-119.35	1.66				
1.66E+09	-118.74	-119.10	-118.48	-118.68	-118.99	-119.52	1.66				
1.67E+09	-118.19	-119.32	-119.18	-118.59	-119.07	-118.60	1.67				
1.67E+09	-118.49	-119.30	-118.69	-118.99	-118.86	-118.98	1.67				
1.67E+09	-117.63	-119.74	-118.94	-117.93	-119.96	-118.90	1.67				
1.67E+09	-118.25	-119.92	-119.06	-118.39	-119.86	-119.35	1.67				
1.68E+09	-117.45	-118.91	-118.13	-119.61	-119.02	-119.28	1.68				
1.68E+09	-117.72	-119.24	-118.67	-120.31	-118.86	-117.90	1.68				
1.68E+09	-118.33	-119.67	-118.81	-119.62	-120.57	-119.74	1.68				
1.68E+09	-118.20	-119.25	-118.61	-118.88	-119.90	-119.90	1.68				

1 -2 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011							Comparison				
Ambient Scan	1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.			14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
6-Jan-11	14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq GHz	minus the Ambient scan				
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	dBm	dBm	dBm	dBm	dBm
1.69E+09	-118.01	-119.86	-118.33	-118.68	-119.11	-119.20	3.00	3.00	3.00	3.00	3.00
1.69E+09	-118.03	-119.17	-119.50	-118.77	-119.93	-118.64					
1.69E+09	-117.36	-119.72	-118.84	-117.92	-120.08	-118.71					
1.69E+09	-117.90	-119.00	-118.44	-118.73	-120.60	-118.61					
1.70E+09	-117.76	-118.90	-119.20	-118.58	-118.62	-119.74					
1.70E+09	-117.50	-119.29	-118.41	-117.91	-119.46	-118.91					
1.70E+09	-117.35	-120.46	-118.73	-118.96	-119.85	-119.26	-3.10				
1.70E+09	-117.12	-119.12	-119.09	-119.33	-119.07	-119.04					
1.71E+09	-118.10	-118.06	-119.19	-118.80	-119.56	-118.63					
1.71E+09	-117.02	-118.98	-118.14	-120.02	-118.46	-119.00					
1.71E+09	-117.18	-119.13	-118.07	-119.07	-119.66	-119.03					
1.71E+09	-116.66	-117.97	-118.49	-119.17	-118.94	-117.21					
1.72E+09	-117.72	-118.93	-118.11	-118.80	-118.86	-118.71					
1.72E+09	-117.30	-118.93	-118.11	-119.09	-120.48	-117.86				-3.18	
1.72E+09	-118.07	-119.71	-119.35	-118.24	-120.89	-117.90					
1.72E+09	-118.46	-118.96	-117.84	-118.60	-119.07	-119.48					
1.73E+09	-118.34	-118.46	-120.19	-118.58	-119.64	-120.16					
1.73E+09	-117.64	-119.15	-119.88	-117.90	-119.33	-118.95					
1.73E+09	-117.81	-119.86	-118.69	-118.10	-119.45	-119.91					
1.73E+09	-117.51	-120.46	-118.40	-118.24	-120.63	-118.75				-3.12	
1.74E+09	-118.36	-117.52	-119.17	-119.28	-119.74	-119.21					
1.74E+09	-118.29	-119.11	-118.14	-119.76	-119.31	-118.64					
1.74E+09	-117.19	-120.20	-118.47	-119.14	-120.38	-119.85	-3.01			-3.19	
1.74E+09	-118.25	-120.27	-118.61	-118.80	-119.04	-119.04					
1.75E+09	-117.53	-119.60	-119.01	-117.47	-119.88	-120.19					

1 -2 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011							Comparison				
Ambient Scan	1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan	minus the Ambient scan	
6-Jan-11	14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq GHz	dBm	dBm	dBm	dBm	dBm
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	3.00	3.00	3.00	3.00
1.75E+09	-117.58	-119.47	-118.36	-118.17	-120.14	-120.03	1.75				
1.75E+09	-118.18	-119.82	-119.43	-118.62	-119.35	-118.01	1.75				
1.75E+09	-117.84	-119.05	-118.32	-118.96	-119.55	-118.82	1.75				
1.76E+09	-117.43	-118.92	-118.64	-119.23	-121.12	-118.76	1.76			-3.68	
1.76E+09	-119.09	-119.59	-119.56	-120.74	-119.04	-119.43	1.76				
1.76E+09	-118.46	-119.96	-119.03	-118.91	-119.65	-119.41	1.76				
1.76E+09	-117.72	-120.33	-119.19	-118.22	-118.79	-119.51	1.76				
1.77E+09	-117.54	-119.60	-118.83	-119.30	-119.07	-119.02	1.77				
1.77E+09	-117.61	-119.65	-119.01	-119.58	-119.85	-118.54	1.77				
1.77E+09	-117.79	-118.74	-118.97	-117.53	-120.22	-117.78	1.77				
1.77E+09	-118.51	-119.52	-117.60	-118.94	-119.54	-118.19	1.77				
1.78E+09	-117.64	-120.14	-118.96	-119.23	-118.20	-121.14	1.78				-3.50
1.78E+09	-117.39	-119.51	-119.31	-119.09	-119.17	-119.60	1.78				
1.78E+09	-117.26	-118.54	-118.77	-119.49	-120.59	-118.22	1.78			-3.33	
1.78E+09	-117.12	-119.10	-119.12	-119.55	-118.87	-118.12	1.78				
1.79E+09	-117.86	-119.20	-117.90	-119.71	-120.68	-118.49	1.79				
1.79E+09	-117.21	-119.93	-118.48	-118.47	-119.47	-118.53	1.79				
1.79E+09	-117.77	-119.63	-118.86	-118.64	-120.65	-117.99	1.79				
1.79E+09	-117.40	-120.13	-118.82	-119.25	-118.79	-118.90	1.79				
1.80E+09	-116.96	-119.19	-119.73	-118.36	-118.83	-119.07	1.80				
1.80E+09	-117.49	-118.76	-118.49	-118.64	-121.18	-119.71	1.80			-3.68	
1.80E+09	-117.70	-118.11	-118.49	-118.80	-120.38	-118.86	1.80				
1.80E+09	-117.00	-120.10	-118.90	-118.46	-119.26	-119.85	1.80	-3.10			
1.81E+09	-117.48	-118.88	-118.13	-118.53	-119.06	-118.76	1.81				
1.81E+09	-117.62	-118.71	-118.06	-118.34	-118.83	-118.89	1.81				

1 -2 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011							Comparison				
Ambient Scan	1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan	minus the Ambient scan	
6-Jan-11	14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq GHz	dBm	dBm	dBm	dBm	dBm
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	3.00	3.00	3.00	3.00
1.81E+09	-117.70	-118.77	-118.35	-118.25	-120.18	-118.77	1.81				
1.81E+09	-118.22	-119.73	-119.20	-119.03	-119.78	-118.71	1.81				
1.82E+09	-118.02	-120.27	-118.15	-119.32	-118.96	-120.33	1.82				
1.82E+09	-117.24	-119.27	-119.08	-118.08	-119.92	-119.31	1.82				
1.82E+09	-117.32	-118.80	-119.22	-118.28	-119.88	-118.25	1.82				
1.82E+09	-117.48	-119.00	-118.98	-118.85	-119.04	-118.73	1.82				
1.83E+09	-117.55	-118.27	-119.97	-118.49	-118.49	-118.79	1.83				
1.83E+09	-117.56	-118.47	-119.15	-118.01	-119.32	-118.46	1.83				
1.83E+09	-117.71	-120.71	-119.57	-118.89	-119.61	-119.18	1.83				
1.83E+09	-117.71	-119.65	-119.19	-119.16	-120.36	-118.29	1.83				
1.84E+09	-117.88	-120.12	-118.83	-119.23	-120.16	-118.86	1.84				
1.84E+09	-118.22	-118.91	-118.02	-118.53	-119.54	-119.83	1.84				
1.84E+09	-117.53	-119.71	-118.30	-119.38	-119.27	-117.97	1.84				
1.84E+09	-117.62	-118.25	-119.04	-119.71	-118.55	-118.01	1.84				
1.85E+09	-118.37	-119.06	-118.13	-118.54	-120.04	-119.23	1.85				
1.85E+09	-117.69	-120.14	-119.11	-118.03	-118.86	-119.57	1.85				
1.85E+09	-118.55	-119.38	-119.04	-119.25	-119.91	-119.61	1.85				
1.85E+09	-117.45	-118.85	-118.39	-118.46	-119.72	-118.34	1.85				
1.86E+09	-117.85	-119.59	-119.80	-118.33	-120.24	-118.42	1.86				
1.86E+09	-117.18	-118.73	-119.27	-118.73	-118.61	-119.36	1.86				
1.86E+09	-118.29	-118.80	-118.85	-118.11	-119.04	-118.31	1.86				
1.86E+09	-117.20	-120.07	-118.54	-118.31	-119.06	-119.08	1.86				
1.87E+09	-117.14	-120.54	-118.33	-118.33	-119.57	-119.65	1.87	-3.40			
1.87E+09	-118.03	-120.16	-118.64	-119.06	-119.51	-119.78	1.87				
1.87E+09	-117.94	-119.36	-118.63	-119.00	-119.90	-120.07	1.87				

1 -2 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.		Comparison					
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq GHz Enter Limit >	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
								minus the Ambient scan				
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)		dBm	dBm	dBm	dBm	dBm
								3.00	3.00	3.00	3.00	3.00
1.87E+09	-118.78	-119.42	-118.57	-119.42	-120.03	-117.14	1.87					
1.88E+09	-118.64	-119.58	-118.22	-117.75	-118.99	-119.43	1.88					
1.88E+09	-117.94	-119.65	-118.24	-118.08	-120.06	-118.28	1.88					
1.88E+09	-116.87	-119.32	-118.55	-118.20	-119.54	-118.82	1.88					
1.88E+09	-117.83	-119.50	-119.28	-119.32	-119.61	-119.27	1.88					
1.89E+09	-117.85	-119.15	-118.21	-119.16	-119.93	-119.47	1.89					
1.89E+09	-118.37	-120.65	-119.25	-119.79	-120.17	-120.41	1.89					
1.89E+09	-117.43	-119.62	-118.68	-119.78	-120.79	-118.93	1.89				-3.36	
1.89E+09	-118.17	-120.11	-119.69	-119.45	-119.71	-117.82	1.89					
1.90E+09	-118.56	-119.69	-118.81	-119.89	-119.79	-120.13	1.90					
1.90E+09	-117.57	-118.28	-118.83	-118.52	-119.90	-118.64	1.90					
1.90E+09	-118.04	-118.52	-118.13	-119.53	-118.87	-118.76	1.90					
1.90E+09	-118.43	-118.68	-119.18	-118.49	-118.41	-118.76	1.90					
1.91E+09	-117.92	-119.33	-117.52	-118.37	-119.58	-119.23	1.91					
1.91E+09	-118.78	-118.98	-119.30	-118.96	-119.91	-119.29	1.91					
1.91E+09	-118.38	-120.00	-118.53	-118.98	-118.75	-119.17	1.91					
1.91E+09	-117.34	-119.09	-118.37	-119.19	-120.85	-119.40	1.91				-3.52	
1.92E+09	-116.94	-120.34	-118.64	-119.16	-119.91	-118.29	1.92	-3.40				
1.92E+09	-117.70	-118.95	-119.13	-119.02	-120.06	-118.63	1.92					
1.92E+09	-116.89	-119.91	-118.03	-117.87	-119.11	-117.06	1.92	-3.02				
1.92E+09	-118.51	-119.18	-118.77	-119.44	-118.66	-118.64	1.92					
1.93E+09	-118.58	-120.79	-118.49	-118.71	-120.59	-118.66	1.93					
1.93E+09	-117.57	-119.05	-118.01	-117.64	-119.97	-118.76	1.93					
1.93E+09	-117.92	-118.78	-118.94	-118.14	-119.82	-119.35	1.93					
1.93E+09	-117.48	-119.10	-118.64	-118.83	-119.16	-119.62	1.93					

1 -2 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.		Comparison					
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq GHz Enter Limit >	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
							minus the Ambient scan					
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)		dBm	dBm	dBm	dBm	dBm
								3.00	3.00	3.00	3.00	3.00
1.94E+09	-118.17	-118.61	-118.51	-117.74	-119.57	-118.16	1.94					
1.94E+09	-117.29	-119.05	-118.69	-117.67	-118.79	-118.15	1.94					
1.94E+09	-117.61	-119.48	-117.40	-118.38	-117.71	-118.08	1.94					
1.94E+09	-117.42	-118.75	-118.88	-119.64	-119.94	-118.83	1.94					
1.95E+09	-117.88	-119.06	-119.44	-119.70	-118.67	-119.05	1.95					
1.95E+09	-117.86	-119.29	-118.77	-119.26	-119.56	-119.11	1.95					
1.95E+09	-117.84	-120.07	-119.73	-118.38	-117.67	-117.83	1.95					
1.95E+09	-74.54	-82.82	-81.19	-85.61	-76.29	-75.45	1.95	-8.28	-6.66	-11.08		
1.96E+09	-79.06	-86.14	-85.10	-86.20	-78.83	-80.40	1.96	-7.08	-6.05	-7.14		
1.96E+09	-80.14	-89.38	-84.39	-89.23	-79.02	-84.30	1.96	-9.24	-4.25	-9.09		-4.16
1.96E+09	-117.12	-120.14	-119.33	-118.62	-120.14	-119.01	1.96	-3.03			-3.03	
1.96E+09	-118.25	-119.28	-118.14	-118.53	-120.21	-118.84	1.96					
1.97E+09	-75.54	-82.56	-81.51	-84.71	-89.59	-79.73	1.97	-7.03	-5.98	-9.17	-14.05	-4.19
1.97E+09	-105.06	-112.98	-108.65	-109.60	-108.15	-107.87	1.97	-7.92	-3.59	-4.54	-3.09	
1.97E+09	-88.57	-99.11	-98.54	-101.46	-91.28	-89.57	1.97	-10.54	-9.97	-12.89		
1.97E+09	-90.50	-93.59	-95.46	-98.77	-88.08	-92.51	1.97	-3.10	-4.96	-8.28		
1.98E+09	-116.96	-119.42	-117.50	-119.07	-119.12	-118.10	1.98					
1.98E+09	-117.46	-119.72	-119.52	-118.43	-120.64	-119.15	1.98				-3.18	
1.98E+09	-110.87	-114.61	-111.99	-114.66	-115.33	-111.45	1.98	-3.74		-3.79	-4.46	
1.98E+09	-101.10	-111.40	-107.25	-106.46	-107.86	-107.15	1.98	-10.30	-6.15	-5.35	-6.76	-6.05
1.99E+09	-101.41	-104.49	-106.51	-112.05	-100.86	-103.34	1.99	-3.08	-5.10	-10.64		
1.99E+09	-104.31	-111.67	-107.47	-111.53	-107.92	-108.64	1.99	-7.36	-3.16	-7.22	-3.61	-4.33
1.99E+09	-117.62	-120.17	-118.33	-117.58	-119.52	-118.08	1.99					
1.99E+09	-117.18	-119.60	-118.67	-118.74	-119.30	-118.88	1.99					
2.00E+09	-117.72	-118.67	-117.72	-117.95	-118.90	-117.41	2.00					

1 -2 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.		Comparison					
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq GHz Enter Limit >	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
							minus the Ambient scan					
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)		dBm	dBm	dBm	dBm	dBm
2.00E+09	-117.60	-118.59	-119.78	-118.85	-118.65	-118.01	2.00	3.00	3.00	3.00	3.00	3.00
2.00E+09	-117.65	-119.31	-118.37	-118.57	-119.08	-119.00	2.00					
Sum of column								-126.69	-59.05	-95.68	-126.66	-31.70

Attenuation (dB)
0

Center Frequency (Hz)
1500000000

Date/Time
1/6/2011 13:14

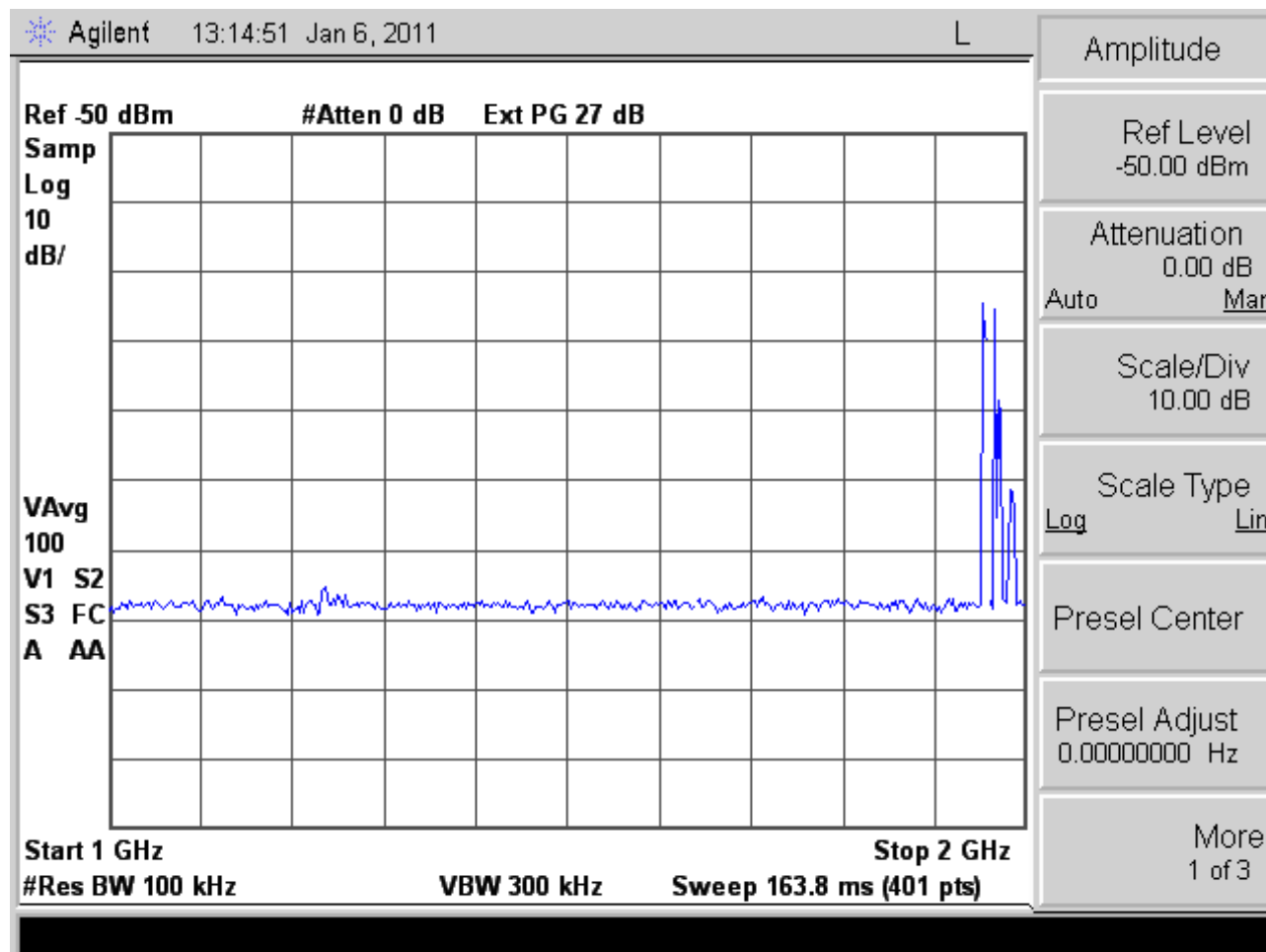
Instrument Model
E4407B

Instrument Serial Number
MY45116875

Reference Level (dBm)
-50

Resolution BW (Hz)
100000

Scale Type
LOG



Span Frequency (Hz)
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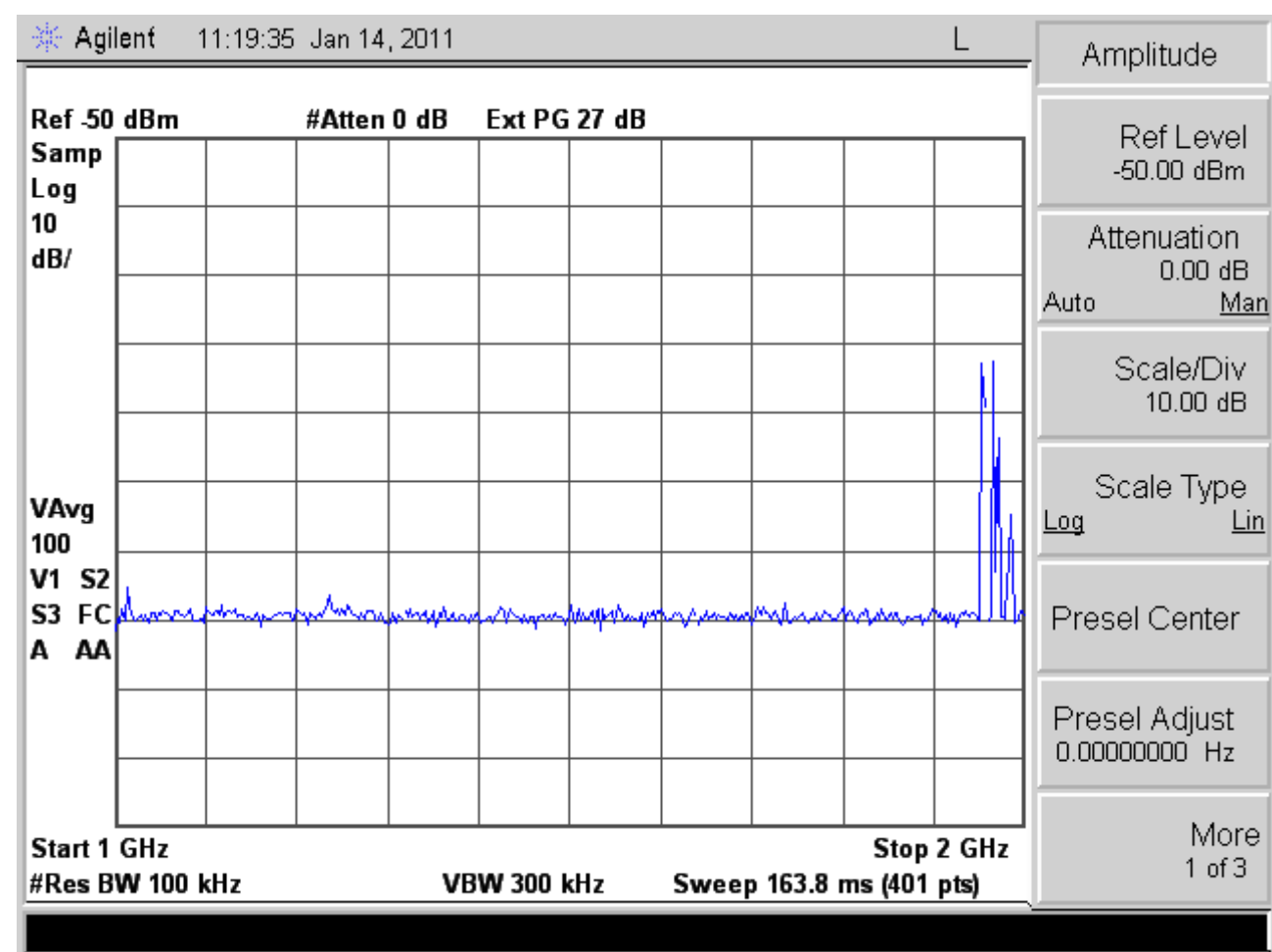
Start Frequency (Hz)
1000000000

Stop Frequency (Hz)
2000000000

Sweep Number Of Points
401

Sweep Time (seconds)
0

Video BW (Hz)
300000



Span Frequency (Hz)
1000000000

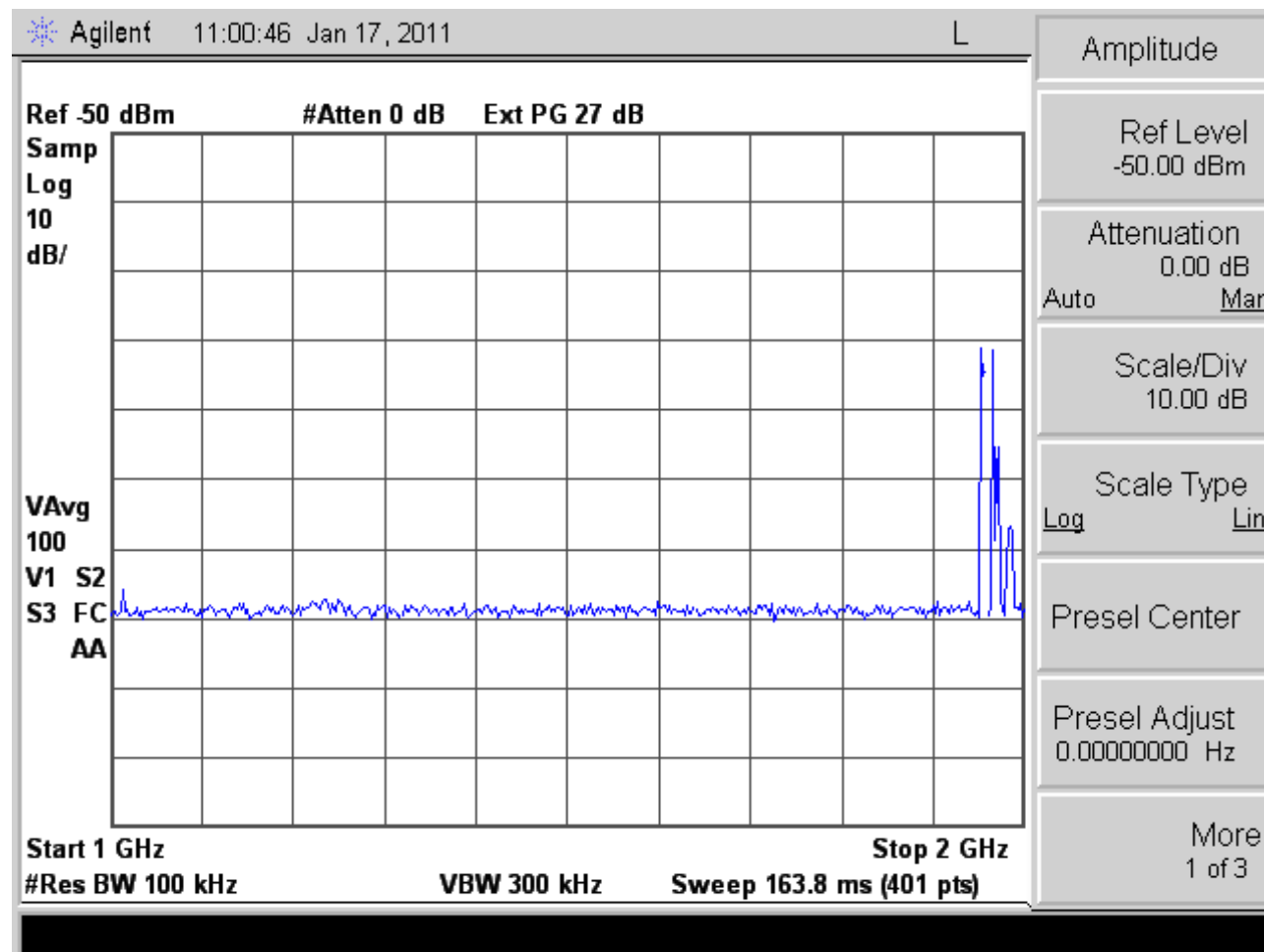
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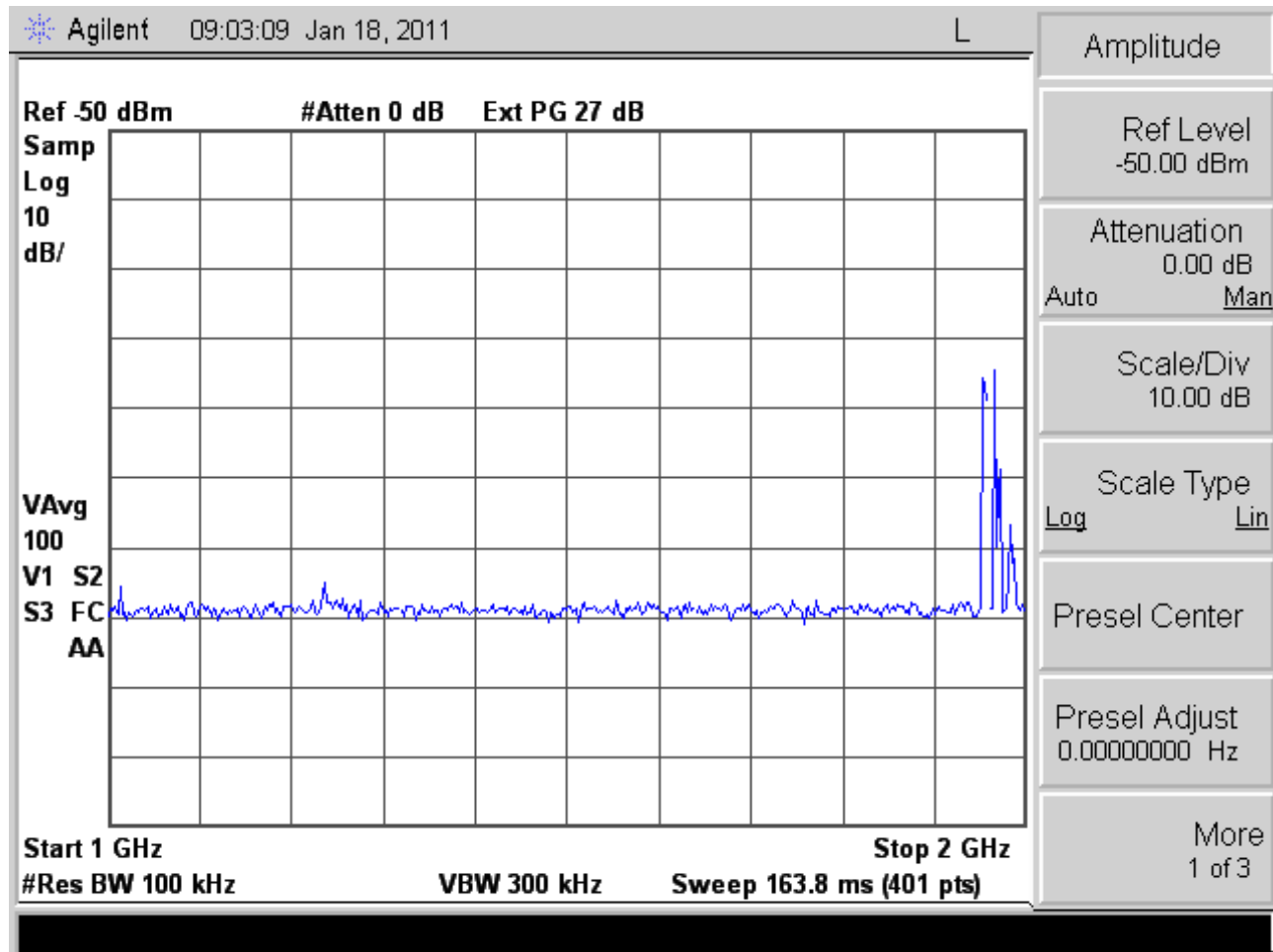
Stop Frequency (Hz)
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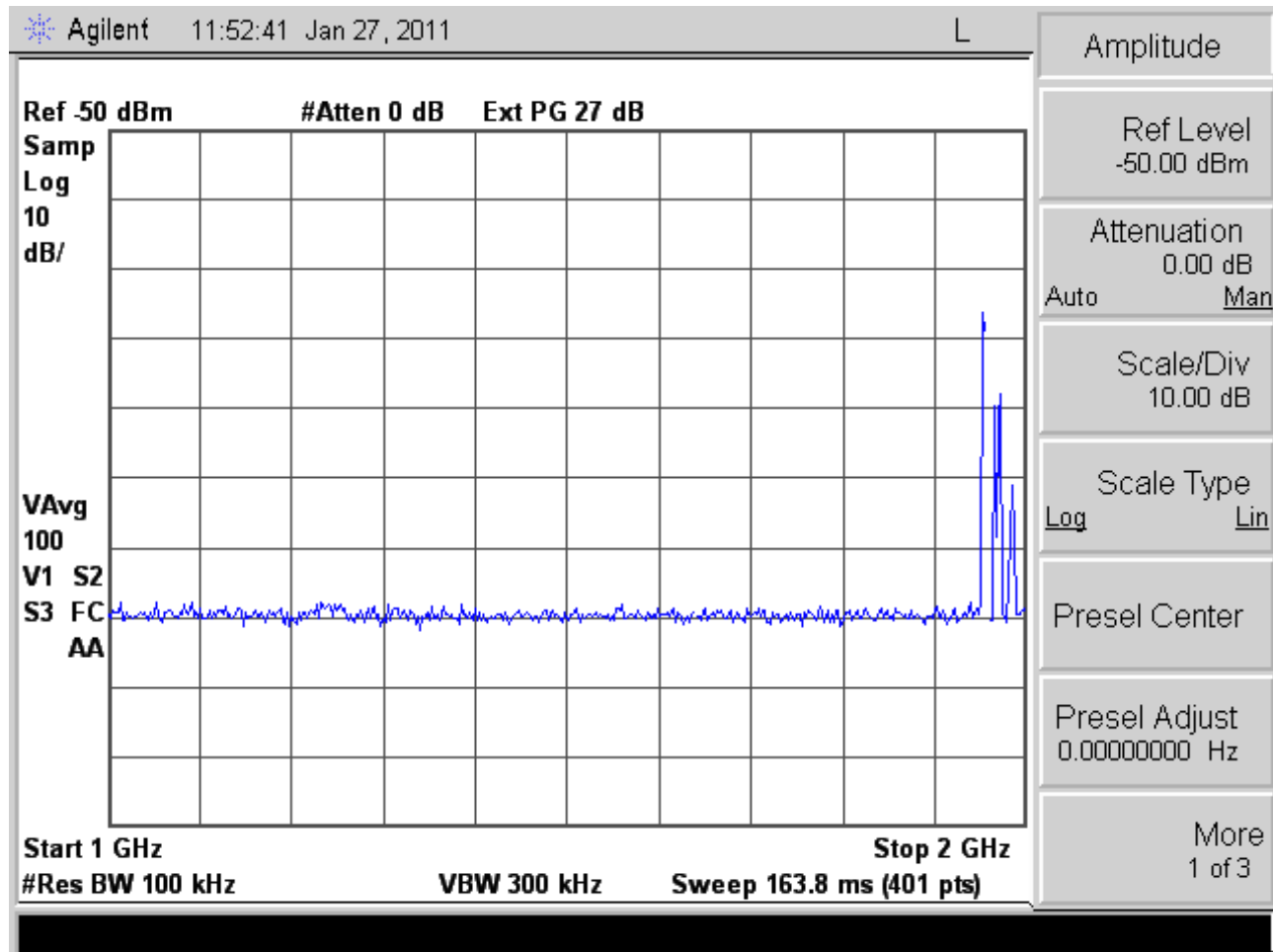
Sweep Number Of Points
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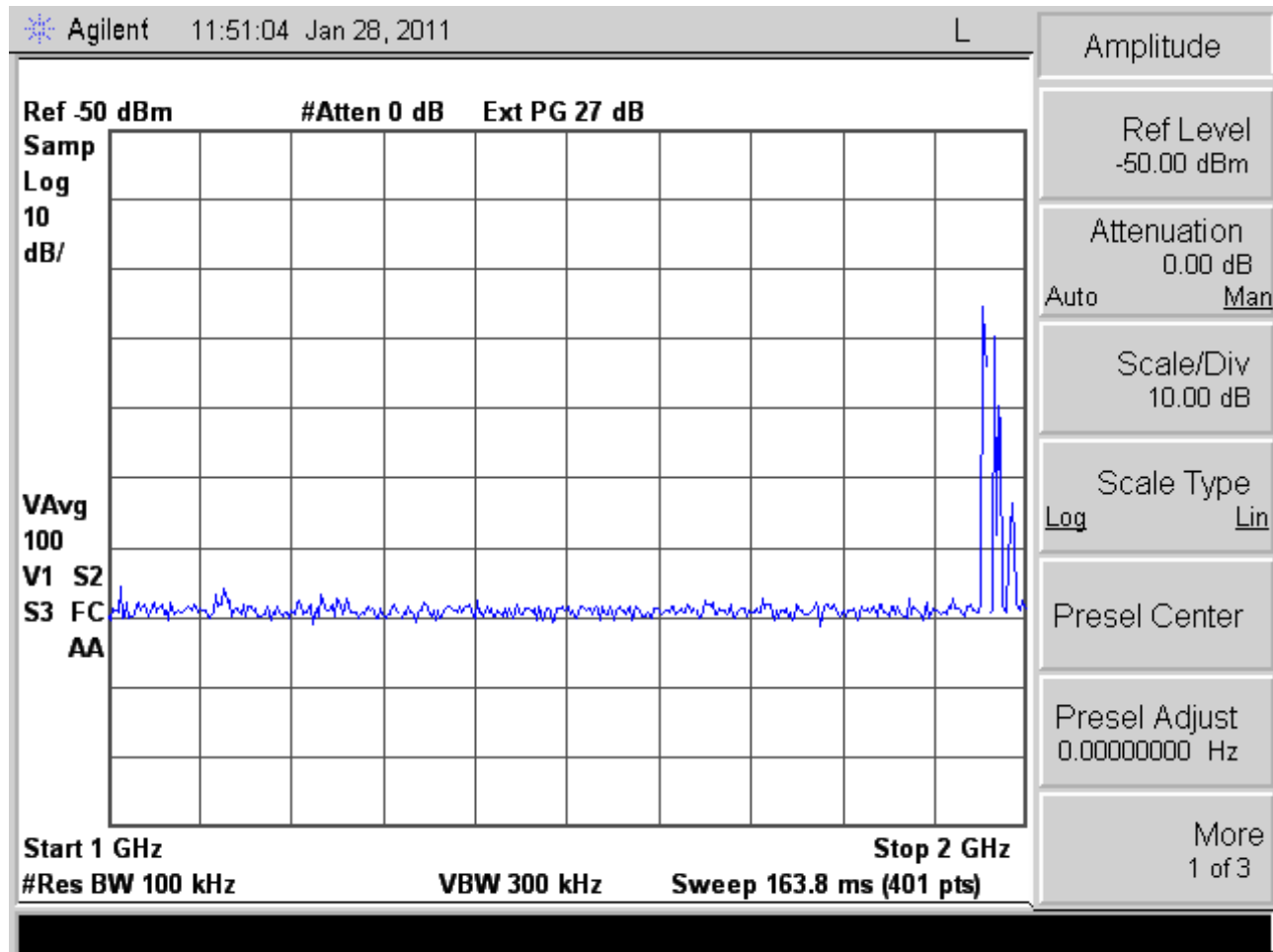
Sweep Time (seconds)
0

Video BW (Hz)
300000









2 -4 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.		Comparison					
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq GHz	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	minus the Ambient scan dBm	dBm	dBm	dBm	dBm
2.00E+09	-118.43	-119.98	-119.03	-118.28	-121.05	-119.60	2.00	3.00	3.00	3.00	3.00	3.00
2.01E+09	-118.03	-118.69	-120.33	-118.35	-120.83	-118.89	2.01					
2.01E+09	-116.74	-118.90	-119.53	-119.47	-118.54	-118.69	2.01					
2.02E+09	-117.99	-117.99	-118.99	-117.74	-118.99	-118.51	2.02					
2.02E+09	-118.11	-118.72	-119.54	-118.16	-120.82	-118.59	2.02					
2.03E+09	-117.20	-118.88	-119.12	-119.07	-118.06	-118.76	2.03					
2.03E+09	-117.72	-119.05	-119.21	-117.64	-118.71	-119.79	2.03					
2.04E+09	-118.60	-118.62	-118.91	-120.13	-120.43	-117.98	2.04					
2.04E+09	-117.71	-120.51	-119.44	-119.93	-119.56	-120.01	2.04					
2.05E+09	-117.77	-119.66	-118.58	-118.43	-120.06	-119.57	2.05					
2.05E+09	-117.09	-118.68	-118.47	-118.91	-120.53	-118.75	2.05				-3.44	
2.06E+09	-117.43	-118.74	-118.11	-119.51	-119.21	-119.04	2.06					
2.06E+09	-118.03	-119.34	-118.28	-118.78	-120.42	-118.36	2.06					
2.07E+09	-117.38	-119.85	-118.35	-118.99	-119.40	-119.10	2.07					
2.07E+09	-118.04	-118.57	-118.91	-117.62	-120.04	-118.86	2.07					
2.08E+09	-118.24	-120.02	-118.60	-118.85	-121.01	-118.93	2.08					
2.08E+09	-117.39	-119.85	-119.22	-119.18	-119.76	-120.17	2.08					
2.09E+09	-117.34	-119.26	-118.38	-119.18	-119.19	-119.12	2.09					
2.09E+09	-118.12	-118.97	-119.19	-118.93	-121.28	-119.57	2.09				-3.16	
2.10E+09	-118.22	-120.16	-119.10	-119.92	-119.54	-119.04	2.10					
2.10E+09	-118.36	-119.11	-119.34	-118.69	-119.42	-118.54	2.10					
2.11E+09	-117.90	-120.78	-117.61	-118.66	-119.07	-118.73	2.11					
2.11E+09	-118.19	-118.51	-118.76	-118.68	-121.38	-119.11	2.11				-3.19	
2.12E+09	-117.98	-118.79	-119.57	-119.53	-120.83	-118.75	2.12					
2.12E+09	-118.06	-118.73	-118.91	-118.09	-119.06	-118.03	2.12					

2 -4 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.		Comparison					
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq GHz	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	minus the Ambient scan				
								dBm	dBm	dBm	dBm	dBm
2.13E+09	-117.58	-119.71	-118.24	-118.21	-121.05	-118.04	2.13					-3.47
2.13E+09	-118.09	-121.12	-118.06	-118.52	-120.11	-118.82	2.13	-3.03				
2.14E+09	-117.39	-120.34	-120.06	-118.69	-119.45	-118.42	2.14					
2.14E+09	-117.83	-120.01	-119.95	-118.01	-118.03	-118.10	2.14					
2.15E+09	-118.23	-119.11	-118.38	-118.58	-119.64	-119.08	2.15					
2.15E+09	-91.55	-97.91	-100.53	-96.49	-97.90	-93.13	2.15	-6.37	-8.98	-4.94	-6.35	
2.16E+09	-117.86	-119.50	-118.89	-118.58	-119.71	-119.17	2.16					
2.16E+09	-117.57	-119.29	-119.50	-118.42	-120.75	-118.43	2.16					-3.18
2.17E+09	-118.37	-119.20	-118.60	-118.96	-120.02	-119.95	2.17					
2.17E+09	-118.53	-120.11	-119.31	-118.87	-120.08	-119.21	2.17					
2.18E+09	-118.20	-120.41	-120.34	-119.21	-119.10	-119.42	2.18					
2.18E+09	-117.01	-118.22	-118.53	-117.75	-120.19	-118.85	2.18					-3.18
2.19E+09	-117.95	-118.49	-119.26	-117.10	-117.90	-117.75	2.19					
2.19E+09	-118.94	-119.90	-119.01	-120.23	-119.93	-120.43	2.19					
2.20E+09	-116.84	-120.90	-119.74	-118.55	-118.55	-118.97	2.20	-4.06				
2.20E+09	-118.58	-119.14	-118.29	-118.37	-119.98	-118.28	2.20					
2.21E+09	-118.83	-119.71	-119.07	-118.88	-120.07	-119.26	2.21					
2.21E+09	-118.25	-120.01	-119.25	-119.71	-121.26	-119.30	2.21					-3.01
2.22E+09	-117.36	-119.71	-119.24	-119.14	-118.63	-119.52	2.22					
2.22E+09	-118.31	-118.71	-118.62	-118.62	-119.06	-119.06	2.22					
2.23E+09	-118.37	-119.86	-119.35	-118.90	-120.76	-119.98	2.23					
2.23E+09	-118.13	-119.42	-119.93	-119.04	-120.56	-118.30	2.23					
2.24E+09	-117.49	-120.20	-119.11	-118.94	-118.84	-118.54	2.24					
2.24E+09	-117.67	-119.37	-118.41	-118.85	-119.53	-118.77	2.24					
2.25E+09	-118.33	-120.11	-118.60	-119.02	-120.02	-119.03	2.25					
2.25E+09	-118.62	-120.59	-120.11	-119.05	-119.65	-120.86	2.25					

2 -4 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.		Comparison					
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq GHz	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	minus the Ambient scan dBm	dBm	dBm	dBm	dBm
2.26E+09	-118.09	-118.91	-119.37	-119.44	-121.23	-119.63	2.26	3.00	3.00	3.00	3.00	3.00
2.26E+09	-118.74	-118.75	-119.03	-118.80	-118.95	-117.84	2.26					
2.27E+09	-119.28	-120.41	-118.87	-119.12	-120.65	-119.42	2.27					
2.27E+09	-118.35	-119.32	-119.49	-118.63	-121.60	-119.96	2.27					-3.25
2.28E+09	-117.56	-118.20	-117.92	-121.03	-120.26	-117.78	2.28			-3.48		
2.28E+09	-118.09	-119.66	-118.00	-118.67	-120.74	-117.28	2.28					
2.29E+09	-117.93	-120.12	-119.22	-119.12	-120.31	-120.69	2.29					
2.29E+09	-117.50	-120.86	-118.88	-118.09	-119.00	-118.39	2.29	-3.36				
2.30E+09	-117.57	-119.17	-118.93	-118.31	-118.73	-118.42	2.30					
2.30E+09	-118.72	-119.19	-118.19	-119.08	-120.18	-119.47	2.30					
2.31E+09	-117.75	-120.14	-121.12	-120.63	-121.01	-119.30	2.31		-3.37			-3.26
2.31E+09	-117.57	-118.90	-120.20	-120.11	-118.72	-119.53	2.31					
2.32E+09	-118.46	-119.76	-117.37	-118.00	-118.57	-119.03	2.32					
2.32E+09	-107.44	-115.02	-110.64	-110.04	-110.61	-109.99	2.32	-7.58	-3.20			-3.18
2.33E+09	-117.68	-118.77	-119.04	-120.14	-120.80	-120.64	2.33					-3.13
2.33E+09	-116.19	-117.35	-119.60	-117.33	-119.02	-117.55	2.33		-3.41			
2.34E+09	-118.55	-118.45	-119.59	-119.62	-121.15	-119.25	2.34					
2.34E+09	-113.57	-114.77	-114.38	-115.21	-114.89	-113.93	2.34					
2.35E+09	-117.54	-119.09	-120.48	-119.09	-119.39	-120.58	2.35					-3.05
2.35E+09	-117.07	-118.29	-117.92	-118.76	-120.34	-119.51	2.35					-3.27
2.36E+09	-118.22	-119.25	-118.67	-119.06	-119.20	-119.28	2.36					
2.36E+09	-118.42	-119.82	-119.40	-119.63	-119.93	-119.21	2.36					
2.37E+09	-117.47	-119.34	-120.16	-118.94	-119.97	-120.38	2.37					
2.37E+09	-118.22	-119.75	-118.55	-119.29	-120.33	-118.65	2.37					
2.38E+09	-118.28	-119.33	-118.66	-119.36	-120.02	-118.71	2.38					
2.38E+09	-118.09	-119.88	-119.11	-119.92	-119.89	-120.40	2.38					

2 -4 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.			Comparison				
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq GHz	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	minus the Ambient scan				
								dBm	dBm	dBm	dBm	dBm
2.39E+09	-118.04	-119.21	-119.36	-118.35	-119.99	-119.88	2.39	3.00	3.00	3.00	3.00	3.00
2.39E+09	-118.48	-119.38	-118.31	-118.59	-119.63	-119.20	2.39					
2.40E+09	-118.54	-119.75	-120.36	-120.29	-119.83	-119.85	2.40					
2.40E+09	-118.23	-119.04	-119.00	-119.87	-119.72	-120.05	2.40					
2.41E+09	-117.40	-119.05	-119.45	-118.33	-119.71	-118.63	2.41					
2.41E+09	-118.85	-118.91	-118.82	-118.25	-121.75	-120.14	2.41					
2.42E+09	-118.67	-118.77	-119.17	-119.41	-119.18	-119.81	2.42					
2.42E+09	-117.54	-120.01	-118.88	-119.25	-119.91	-119.97	2.42					
2.43E+09	-117.76	-119.17	-119.01	-119.09	-119.53	-119.77	2.43					
2.43E+09	-118.34	-119.37	-118.55	-120.31	-120.31	-119.43	2.43					
2.44E+09	-117.88	-120.05	-121.05	-119.59	-120.46	-120.52	2.44	-3.17				
2.44E+09	-117.98	-120.12	-120.89	-118.24	-120.68	-118.18	2.44					
2.45E+09	-117.67	-119.93	-118.40	-118.28	-120.63	-119.13	2.45					
2.45E+09	-119.19	-118.83	-118.60	-118.90	-120.04	-118.43	2.45					
2.46E+09	-117.97	-120.47	-119.25	-120.68	-120.57	-119.39	2.46					
2.46E+09	-118.22	-119.79	-118.55	-118.62	-119.75	-118.62	2.46					
2.47E+09	-117.49	-119.12	-117.76	-118.65	-119.69	-119.81	2.47					
2.47E+09	-119.36	-120.06	-119.22	-119.53	-120.06	-120.08	2.47					
2.48E+09	-117.86	-119.61	-119.80	-120.49	-120.31	-120.26	2.48					
2.48E+09	-118.16	-119.43	-119.62	-118.57	-119.08	-117.48	2.48					
2.49E+09	-118.34	-119.15	-119.03	-119.19	-119.96	-119.26	2.49					
2.49E+09	-118.12	-119.35	-119.32	-119.45	-120.32	-118.68	2.49					
2.50E+09	-117.73	-120.42	-119.40	-120.17	-120.62	-119.74	2.50					
2.50E+09	-118.37	-118.97	-119.23	-118.85	-120.21	-118.56	2.50					
2.51E+09	-118.75	-119.82	-117.69	-118.78	-120.56	-119.11	2.51					
2.51E+09	-119.12	-120.88	-119.07	-118.90	-121.39	-119.68	2.51					

2 -4 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.		Comparison					
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq GHz	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	minus the Ambient scan dBm	dBm	dBm	dBm	dBm
2.52E+09	-117.85	-120.04	-119.48	-118.65	-120.10	-120.95	2.52	3.00	3.00	3.00	3.00	-3.10
2.52E+09	-118.14	-119.86	-119.21	-118.85	-120.15	-119.17	2.52					
2.53E+09	-118.77	-118.09	-118.31	-119.08	-119.55	-120.29	2.53					
2.53E+09	-118.62	-122.08	-119.66	-119.94	-120.49	-120.69	2.53	-3.46				
2.54E+09	-116.83	-119.30	-119.52	-119.15	-119.22	-118.38	2.54					
2.54E+09	-117.67	-119.66	-118.10	-118.23	-118.70	-118.64	2.54					
2.55E+09	-118.75	-120.02	-120.29	-119.64	-121.50	-120.02	2.55					
2.55E+09	-117.97	-121.29	-120.11	-120.40	-120.09	-119.01	2.55	-3.32				
2.56E+09	-117.79	-118.95	-119.21	-119.10	-121.19	-119.71	2.56				-3.41	
2.56E+09	-118.50	-119.97	-118.90	-119.77	-119.22	-118.91	2.56					
2.57E+09	-118.37	-119.55	-119.95	-118.85	-120.99	-119.17	2.57					
2.57E+09	-118.03	-119.47	-119.16	-120.92	-120.71	-119.85	2.57					
2.58E+09	-118.01	-119.65	-119.28	-120.78	-119.10	-119.92	2.58					
2.58E+09	-118.39	-119.80	-119.42	-118.24	-120.38	-119.02	2.58					
2.59E+09	-118.22	-121.35	-119.98	-120.28	-119.80	-118.38	2.59	-3.12				
2.59E+09	-118.06	-121.21	-120.38	-119.48	-120.59	-120.08	2.59	-3.15				
2.60E+09	-117.43	-119.24	-119.89	-117.66	-119.90	-119.14	2.60					
2.60E+09	-118.63	-119.46	-119.59	-119.12	-120.54	-119.23	2.60					
2.61E+09	-118.39	-119.51	-120.52	-120.26	-121.66	-120.88	2.61				-3.27	
2.61E+09	-117.82	-119.68	-119.43	-118.49	-120.14	-119.13	2.61					
2.62E+09	-117.85	-120.52	-120.68	-121.05	-119.44	-118.68	2.62			-3.20		
2.62E+09	-117.90	-119.46	-119.80	-119.48	-120.50	-119.36	2.62					
2.63E+09	-118.56	-120.89	-119.24	-119.28	-121.36	-120.49	2.63					
2.63E+09	-117.51	-120.20	-120.41	-120.16	-120.02	-119.50	2.63					
2.64E+09	-117.32	-119.68	-118.52	-118.34	-119.61	-118.89	2.64					
2.64E+09	-119.31	-120.06	-118.99	-119.23	-119.90	-119.54	2.64					

2 -4 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.		Comparison					
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq GHz	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	minus the Ambient scan				
								dBm	dBm	dBm	dBm	dBm
								3.00	3.00	3.00	3.00	3.00
2.65E+09	-117.96	-120.35	-121.49	-120.55	-119.29	-120.57	2.65		-3.53			
2.65E+09	-118.64	-119.85	-118.93	-119.47	-121.24	-119.69	2.65					
2.66E+09	-118.30	-120.38	-120.08	-118.29	-119.68	-117.64	2.66					
2.66E+09	-118.13	-119.70	-120.16	-119.55	-120.07	-118.90	2.66					
2.67E+09	-118.39	-120.54	-120.32	-119.22	-120.43	-119.97	2.67					
2.67E+09	-117.72	-120.85	-119.84	-120.54	-119.40	-119.81	2.67	-3.13				
2.68E+09	-117.51	-119.64	-118.67	-118.57	-119.59	-119.86	2.68					
2.68E+09	-118.33	-120.20	-118.58	-119.91	-120.81	-119.85	2.68					
2.69E+09	-117.27	-119.99	-119.84	-120.00	-120.49	-118.50	2.69				-3.22	
2.69E+09	-117.95	-119.06	-119.95	-118.45	-120.11	-118.89	2.69					
2.70E+09	-118.32	-120.37	-119.05	-118.88	-119.58	-118.21	2.70					
2.70E+09	-118.90	-119.47	-119.20	-118.81	-120.60	-120.13	2.70					
2.71E+09	-118.54	-120.22	-120.35	-119.28	-121.20	-119.15	2.71					
2.71E+09	-117.51	-119.32	-118.20	-119.01	-119.99	-120.42	2.71					
2.72E+09	-118.30	-119.33	-119.16	-119.40	-120.52	-118.81	2.72					
2.72E+09	-118.61	-121.25	-118.76	-120.16	-120.33	-118.41	2.72					
2.73E+09	-118.15	-119.57	-118.42	-119.56	-119.41	-119.42	2.73					
2.73E+09	-117.55	-120.12	-118.64	-119.32	-120.41	-118.98	2.73					
2.74E+09	-119.43	-119.57	-119.35	-117.65	-121.07	-118.70	2.74					
2.74E+09	-117.84	-119.87	-120.52	-119.32	-122.47	-119.19	2.74				-4.63	
2.75E+09	-117.72	-119.61	-119.31	-119.29	-120.97	-118.83	2.75				-3.25	
2.75E+09	-118.28	-119.23	-118.08	-118.43	-119.75	-118.26	2.75					
2.76E+09	-118.17	-120.84	-118.81	-119.87	-122.19	-119.06	2.76				-4.02	
2.76E+09	-117.67	-119.64	-119.95	-119.02	-121.15	-118.89	2.76				-3.48	
2.77E+09	-117.31	-118.69	-118.94	-118.90	-119.44	-119.28	2.77					
2.77E+09	-118.07	-119.20	-119.37	-118.95	-120.44	-119.91	2.77					

2 -4 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.		Comparison					
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq GHz	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	minus the Ambient scan dBm	dBm	dBm	dBm	dBm
2.78E+09	-119.94	-119.55	-119.07	-120.51	-120.38	-119.22	2.78	3.00	3.00	3.00	3.00	3.00
2.78E+09	-117.24	-119.50	-119.75	-119.26	-121.32	-119.54	2.78				-4.08	
2.79E+09	-118.12	-119.43	-119.52	-119.38	-120.62	-118.60	2.79					
2.79E+09	-118.57	-120.02	-118.07	-118.95	-119.48	-119.82	2.79					
2.80E+09	-117.52	-119.37	-119.88	-120.64	-120.14	-119.28	2.80			-3.12		
2.80E+09	-117.46	-120.20	-118.26	-118.90	-119.90	-118.94	2.80					
2.81E+09	-118.36	-119.78	-119.05	-119.09	-119.76	-119.47	2.81					
2.81E+09	-118.65	-120.56	-119.48	-118.96	-120.68	-120.22	2.81					
2.82E+09	-117.90	-119.66	-118.96	-121.82	-120.05	-119.73	2.82			-3.92		
2.82E+09	-118.71	-120.08	-119.97	-118.37	-119.99	-119.14	2.82					
2.83E+09	-118.07	-119.49	-119.07	-120.15	-120.80	-118.96	2.83					
2.83E+09	-118.75	-119.92	-118.20	-119.15	-120.83	-119.52	2.83					
2.84E+09	-118.37	-121.29	-121.73	-119.67	-121.08	-119.92	2.84	-3.36				
2.84E+09	-118.55	-120.32	-119.98	-119.82	-120.78	-119.54	2.84					
2.85E+09	-119.09	-119.15	-118.43	-119.84	-119.73	-118.33	2.85					
2.85E+09	-118.11	-120.20	-118.95	-119.85	-121.29	-121.31	2.85				-3.19	-3.20
2.86E+09	-117.82	-120.51	-120.42	-118.98	-121.33	-119.43	2.86				-3.51	
2.86E+09	-118.22	-119.18	-118.44	-118.56	-119.64	-119.15	2.86					
2.87E+09	-118.08	-119.33	-120.71	-118.20	-121.33	-120.13	2.87				-3.25	
2.87E+09	-118.74	-120.55	-119.40	-120.61	-120.60	-119.64	2.87					
2.88E+09	-117.77	-118.91	-120.87	-120.54	-120.62	-120.23	2.88	-3.10				
2.88E+09	-117.87	-120.48	-119.11	-117.65	-120.71	-119.29	2.88					
2.89E+09	-118.39	-120.07	-119.21	-118.13	-121.76	-119.87	2.89				-3.37	
2.89E+09	-118.99	-121.05	-120.16	-120.32	-121.03	-119.26	2.89					
2.90E+09	-117.37	-118.97	-120.13	-119.89	-119.69	-118.93	2.90					
2.90E+09	-117.33	-120.35	-118.19	-119.85	-119.52	-118.48	2.90	-3.01				

2 -4 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.		Comparison					
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq GHz	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	minus the Ambient scan				
								dBm	dBm	dBm	dBm	dBm
2.91E+09	-118.56	-119.56	-119.19	-118.93	-119.85	-119.92	2.91	3.00	3.00	3.00	3.00	3.00
2.91E+09	-117.78	-120.25	-119.81	-119.36	-121.52	-119.79	2.91				-3.74	
2.92E+09	-117.91	-119.07	-119.49	-120.50	-119.67	-118.68	2.92					
2.92E+09	-118.32	-119.17	-119.09	-118.95	-119.80	-120.14	2.92					
2.93E+09	-118.86	-119.21	-119.00	-119.57	-120.79	-118.97	2.93					
2.93E+09	-118.53	-121.13	-120.85	-119.42	-119.83	-120.81	2.93					
2.94E+09	-118.09	-120.22	-120.50	-119.37	-119.64	-118.82	2.94					
2.94E+09	-117.85	-120.35	-118.54	-119.64	-119.78	-120.03	2.94					
2.95E+09	-118.17	-120.13	-118.90	-120.56	-121.22	-119.83	2.95				-3.06	
2.95E+09	-118.25	-119.90	-121.13	-119.50	-119.91	-120.61	2.95					
2.96E+09	-118.01	-119.59	-119.05	-119.37	-119.71	-119.13	2.96					
2.96E+09	-117.79	-119.46	-118.10	-118.05	-121.25	-119.77	2.96				-3.45	
2.97E+09	-118.87	-119.23	-120.11	-118.83	-121.30	-120.07	2.97					
2.97E+09	-117.54	-118.63	-119.87	-119.52	-120.61	-120.07	2.97				-3.07	
2.98E+09	-118.04	-120.65	-119.75	-118.64	-118.46	-119.16	2.98					
2.98E+09	-118.13	-119.31	-119.18	-119.46	-119.78	-118.52	2.98					
2.99E+09	-118.01	-120.88	-119.41	-119.84	-121.18	-120.01	2.99				-3.17	
2.99E+09	-116.68	-120.86	-120.78	-118.45	-119.57	-119.00	2.99	-4.18	-4.10			
3.00E+09	-118.60	-119.98	-119.71	-120.32	-119.23	-117.90	3.00					
3.00E+09	-119.36	-120.04	-120.12	-120.95	-122.59	-121.07	3.00				-3.24	
3.01E+09	-119.07	-120.48	-122.07	-120.75	-121.56	-120.79	3.01		-3.00			
3.01E+09	-118.86	-120.57	-119.51	-120.42	-121.09	-121.41	3.01					
3.02E+09	-119.09	-121.28	-119.73	-119.04	-122.04	-120.49	3.02					
3.02E+09	-119.94	-120.50	-119.30	-119.75	-123.13	-121.40	3.02				-3.19	
3.03E+09	-118.86	-120.72	-120.01	-121.21	-121.53	-120.69	3.03					
3.03E+09	-119.44	-121.25	-120.27	-120.94	-121.97	-120.87	3.03					

2 -4 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.		Comparison					
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq GHz	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	minus the Ambient scan dBm				
3.04E+09	-119.77	-119.97	-119.66	-120.66	-120.65	-120.59	3.04	3.00	3.00	3.00	3.00	3.00
3.04E+09	-119.88	-120.56	-120.36	-119.69	-122.17	-119.78	3.04					
3.05E+09	-119.76	-120.96	-121.12	-120.15	-122.11	-120.55	3.05					
3.05E+09	-119.22	-121.82	-120.02	-120.51	-121.90	-119.68	3.05					
3.06E+09	-119.62	-120.18	-119.30	-119.50	-122.18	-119.58	3.06					
3.06E+09	-119.25	-122.82	-121.86	-121.23	-123.66	-120.82	3.06	-3.57			-4.41	
3.07E+09	-119.31	-120.69	-121.15	-120.67	-121.47	-120.79	3.07					
3.07E+09	-118.87	-120.09	-120.27	-119.96	-121.45	-120.22	3.07					
3.08E+09	-120.50	-119.77	-119.97	-120.06	-121.63	-120.28	3.08					
3.08E+09	-118.84	-122.67	-120.00	-119.32	-122.54	-120.94	3.08	-3.83			-3.70	
3.09E+09	-118.46	-120.76	-119.32	-120.11	-121.57	-121.81	3.09				-3.11	-3.36
3.09E+09	-119.11	-121.38	-120.41	-119.80	-121.37	-120.74	3.09					
3.10E+09	-120.13	-120.39	-120.70	-121.13	-122.15	-119.67	3.10					
3.10E+09	-119.53	-122.13	-120.39	-121.02	-121.40	-119.80	3.10					
3.11E+09	-118.93	-121.06	-119.69	-121.21	-120.21	-120.80	3.11					
3.11E+09	-120.30	-120.23	-119.89	-120.02	-121.39	-120.14	3.11					
3.12E+09	-119.99	-122.88	-119.40	-121.03	-122.43	-119.79	3.12					
3.12E+09	-119.37	-121.35	-121.92	-121.56	-120.95	-121.88	3.12					
3.13E+09	-118.84	-121.03	-120.85	-120.81	-121.47	-120.77	3.13					
3.13E+09	-119.33	-121.01	-119.36	-120.09	-123.11	-119.45	3.13				-3.79	
3.14E+09	-120.74	-121.63	-120.08	-121.21	-121.72	-121.21	3.14					
3.14E+09	-119.14	-120.71	-120.00	-120.47	-121.80	-120.39	3.14					
3.15E+09	-118.98	-120.53	-120.41	-119.29	-120.76	-119.75	3.15					
3.15E+09	-120.81	-121.36	-120.83	-120.95	-121.68	-121.78	3.15					
3.16E+09	-119.84	-121.81	-120.50	-121.00	-120.93	-121.03	3.16					
3.16E+09	-118.74	-121.24	-120.11	-121.80	-121.22	-121.10	3.16			-3.06		

2 -4 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.			Comparison				
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq GHz	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	minus the Ambient scan dBm	dBm	dBm	dBm	dBm
3.17E+09	-120.07	-121.24	-119.49	-119.06	-121.37	-120.53	3.17	3.00	3.00	3.00	3.00	3.00
3.17E+09	-120.13	-122.22	-120.37	-120.99	-123.74	-121.13	3.17				-3.61	
3.18E+09	-119.80	-121.16	-121.45	-120.54	-124.58	-121.06	3.18				-4.78	
3.18E+09	-119.13	-121.20	-120.75	-120.22	-120.76	-120.89	3.18					
3.19E+09	-119.12	-121.36	-119.11	-119.70	-121.91	-120.49	3.19					
3.19E+09	-120.02	-119.63	-120.41	-121.54	-122.55	-121.08	3.19					
3.20E+09	-119.73	-120.97	-121.20	-121.15	-122.15	-121.77	3.20					
3.20E+09	-118.55	-121.28	-120.85	-119.94	-120.37	-121.05	3.20					
3.21E+09	-119.85	-121.23	-119.62	-118.71	-122.51	-120.70	3.21					
3.21E+09	-119.70	-121.72	-120.64	-121.28	-123.55	-120.66	3.21				-3.85	
3.22E+09	-118.50	-120.00	-121.46	-120.97	-122.81	-120.20	3.22				-4.31	
3.22E+09	-119.56	-121.67	-119.65	-120.73	-121.38	-119.83	3.22					
3.23E+09	-120.12	-120.57	-119.38	-119.97	-122.18	-120.06	3.23					
3.23E+09	-120.06	-121.77	-120.59	-120.30	-121.88	-120.53	3.23					
3.24E+09	-119.53	-120.62	-120.74	-121.44	-121.13	-121.32	3.24					
3.24E+09	-119.83	-120.95	-120.71	-120.04	-121.00	-120.45	3.24					
3.25E+09	-121.20	-120.47	-119.83	-121.22	-121.70	-121.39	3.25					
3.25E+09	-119.95	-121.41	-119.70	-120.83	-122.32	-120.75	3.25					
3.26E+09	-119.20	-121.06	-120.82	-121.07	-121.48	-119.49	3.26					
3.26E+09	-119.60	-120.84	-120.01	-119.26	-120.46	-121.42	3.26					
3.27E+09	-120.17	-120.95	-119.86	-121.06	-123.02	-121.61	3.27					
3.27E+09	-119.36	-122.01	-121.38	-121.09	-122.22	-121.02	3.27					
3.28E+09	-118.63	-122.94	-119.21	-120.47	-122.06	-121.32	3.28	-4.31			-3.43	
3.28E+09	-120.67	-119.69	-119.73	-120.21	-122.18	-120.74	3.28					
3.29E+09	-119.81	-121.62	-119.55	-120.11	-122.79	-121.21	3.29					
3.29E+09	-118.80	-121.39	-120.76	-121.61	-122.07	-121.75	3.29				-3.27	

2 -4 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.			Comparison				
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq GHz	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	minus the Ambient scan				
								dBm	dBm	dBm	dBm	dBm
3.30E+09	-118.74	-120.54	-120.84	-120.48	-121.00	-120.22	3.30	3.00	3.00	3.00	3.00	3.00
3.30E+09	-120.29	-121.49	-120.07	-119.01	-121.16	-121.11	3.30					
3.31E+09	-120.03	-121.21	-119.24	-121.21	-122.96	-120.39	3.31					
3.31E+09	-118.90	-120.71	-120.85	-121.43	-121.49	-120.59	3.31					
3.32E+09	-119.38	-120.40	-119.89	-121.01	-120.26	-120.67	3.32					
3.32E+09	-120.37	-120.87	-118.96	-120.12	-122.26	-121.46	3.32					
3.33E+09	-120.36	-122.06	-119.61	-121.67	-123.15	-122.11	3.33					
3.33E+09	-119.68	-121.46	-120.92	-121.47	-121.71	-121.05	3.33					
3.34E+09	-119.24	-120.81	-120.20	-119.90	-122.49	-121.28	3.34					-3.26
3.34E+09	-120.32	-120.62	-119.69	-119.85	-121.97	-121.16	3.34					
3.35E+09	-119.67	-122.10	-120.88	-120.69	-121.98	-120.91	3.35					
3.35E+09	-119.01	-121.25	-121.34	-120.90	-121.93	-119.42	3.35					
3.36E+09	-119.53	-121.90	-121.29	-119.76	-121.02	-120.94	3.36					
3.36E+09	-120.13	-120.72	-120.06	-121.77	-121.87	-121.68	3.36					
3.37E+09	-120.77	-121.07	-121.64	-121.00	-122.65	-120.83	3.37					
3.37E+09	-119.03	-121.51	-120.38	-119.79	-122.10	-119.87	3.37					-3.07
3.38E+09	-120.37	-120.48	-118.33	-119.92	-122.16	-119.86	3.38					
3.38E+09	-119.67	-121.64	-119.54	-120.45	-123.54	-121.11	3.38					-3.87
3.39E+09	-119.50	-121.69	-122.09	-121.09	-123.50	-121.11	3.39					-4.00
3.39E+09	-119.19	-120.94	-120.20	-119.94	-123.35	-119.81	3.39					-4.16
3.40E+09	-119.85	-120.63	-120.09	-119.83	-122.15	-120.84	3.40					
3.40E+09	-120.42	-121.87	-120.45	-120.69	-123.59	-120.77	3.40					-3.17
3.41E+09	-119.23	-120.85	-121.91	-121.63	-121.34	-120.26	3.41					
3.41E+09	-119.49	-119.98	-120.25	-120.31	-122.09	-119.84	3.41					
3.42E+09	-119.67	-120.39	-120.59	-120.58	-122.93	-121.35	3.42					-3.27
3.42E+09	-120.33	-122.69	-120.22	-121.24	-122.41	-120.92	3.42					

2 -4 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.			Comparison				
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq GHz	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	minus the Ambient scan dBm				
3.43E+09	-118.96	-121.55	-120.74	-120.96	-121.75	-120.47	3.43	3.00	3.00	3.00	3.00	3.00
3.43E+09	-119.21	-121.01	-120.37	-120.57	-121.19	-120.69	3.43					
3.44E+09	-119.58	-120.96	-121.25	-122.01	-122.01	-120.57	3.44					
3.44E+09	-119.24	-121.13	-120.85	-121.29	-123.49	-119.78	3.44				-4.24	
3.45E+09	-118.80	-122.14	-120.76	-120.26	-121.29	-120.75	3.45	-3.34				
3.45E+09	-120.10	-120.04	-119.94	-119.98	-121.11	-120.80	3.45					
3.46E+09	-120.04	-120.53	-120.57	-121.04	-121.26	-120.76	3.46					
3.46E+09	-118.83	-121.95	-120.08	-120.95	-121.72	-121.41	3.46	-3.12				
3.47E+09	-119.64	-120.67	-121.98	-119.54	-121.19	-121.12	3.47					
3.47E+09	-119.57	-120.61	-119.81	-121.25	-120.91	-119.03	3.47					
3.48E+09	-120.05	-121.84	-119.33	-120.97	-121.62	-120.04	3.48					
3.48E+09	-119.29	-121.06	-120.21	-122.57	-121.57	-121.38	3.48			-3.28		
3.49E+09	-120.27	-119.45	-120.07	-120.06	-121.41	-119.92	3.49					
3.49E+09	-120.45	-121.39	-119.98	-120.71	-122.20	-119.94	3.49					
3.50E+09	-119.86	-120.89	-121.16	-121.62	-122.04	-121.06	3.50					
3.50E+09	-118.89	-120.76	-119.90	-121.39	-121.39	-120.82	3.50					
3.51E+09	-119.47	-121.11	-121.06	-119.09	-121.48	-120.13	3.51					
3.51E+09	-119.82	-121.71	-119.85	-121.07	-123.23	-120.57	3.51				-3.42	
3.52E+09	-118.79	-120.75	-119.44	-121.83	-121.48	-121.63	3.52			-3.05		
3.52E+09	-118.80	-121.32	-120.50	-120.94	-122.28	-120.94	3.52				-3.48	
3.53E+09	-119.20	-121.07	-119.62	-120.53	-122.33	-122.57	3.53				-3.13	-3.37
3.53E+09	-119.70	-121.28	-119.87	-121.58	-123.48	-121.29	3.53				-3.79	
3.54E+09	-118.95	-122.40	-120.18	-120.49	-120.81	-121.58	3.54	-3.45				
3.54E+09	-119.51	-121.33	-120.14	-119.80	-121.48	-120.64	3.54					
3.55E+09	-120.50	-120.22	-118.83	-119.67	-122.90	-120.35	3.55					
3.55E+09	-119.96	-122.88	-119.93	-120.95	-123.10	-120.80	3.55				-3.14	

2 -4 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.			Comparison				
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq GHz	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	minus the Ambient scan				
								dBm	dBm	dBm	dBm	dBm
3.56E+09	-120.08	-120.41	-121.51	-121.14	-122.34	-120.58	3.56	3.00	3.00	3.00	3.00	3.00
3.56E+09	-119.52	-120.51	-120.33	-120.94	-122.85	-120.45	3.56				-3.34	
3.57E+09	-120.32	-121.81	-119.33	-119.14	-121.90	-121.11	3.57					
3.57E+09	-120.02	-121.94	-121.57	-121.13	-122.44	-120.82	3.57					
3.58E+09	-118.58	-120.28	-119.82	-120.67	-121.04	-119.53	3.58					
3.58E+09	-119.24	-121.15	-121.76	-121.29	-120.92	-120.89	3.58					
3.59E+09	-119.97	-120.96	-119.32	-120.95	-121.87	-121.52	3.59					
3.59E+09	-119.89	-121.48	-121.11	-121.33	-122.17	-121.03	3.59					
3.60E+09	-118.91	-121.00	-121.97	-121.28	-121.54	-121.23	3.60		-3.06			
3.60E+09	-119.29	-120.39	-119.42	-119.55	-121.34	-119.50	3.60					
3.61E+09	-119.99	-120.82	-119.63	-120.83	-122.44	-120.81	3.61					
3.61E+09	-118.97	-121.29	-120.12	-120.39	-121.56	-121.34	3.61					
3.62E+09	-118.54	-120.42	-121.33	-120.91	-120.46	-120.11	3.62					
3.62E+09	-119.25	-121.54	-119.62	-119.72	-119.55	-119.59	3.62					
3.63E+09	-120.66	-120.95	-119.24	-119.93	-121.45	-120.36	3.63					
3.63E+09	-119.01	-120.92	-121.67	-119.76	-122.64	-121.16	3.63				-3.62	
3.64E+09	-119.22	-121.43	-119.29	-120.85	-120.80	-119.93	3.64					
3.64E+09	-119.07	-120.48	-119.50	-119.71	-121.20	-120.79	3.64					
3.65E+09	-120.25	-120.90	-119.71	-119.63	-120.83	-119.92	3.65					
3.65E+09	-119.73	-121.61	-121.67	-120.70	-121.45	-121.72	3.65					
3.66E+09	-118.69	-120.81	-119.21	-119.78	-121.86	-119.84	3.66				-3.18	
3.66E+09	-119.99	-120.04	-120.74	-119.14	-121.29	-119.60	3.66					
3.67E+09	-119.38	-121.91	-120.43	-119.84	-121.26	-120.86	3.67					
3.67E+09	-118.68	-122.07	-119.82	-119.52	-121.94	-120.33	3.67	-3.39			-3.27	
3.68E+09	-118.68	-120.06	-120.59	-120.33	-121.36	-118.70	3.68					
3.68E+09	-119.84	-120.87	-119.70	-119.26	-121.37	-119.97	3.68					

2 -4 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.		Comparison					
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq GHz	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	minus the Ambient scan				
								dBm	dBm	dBm	dBm	dBm
3.69E+09	-118.84	-120.33	-119.70	-119.13	-122.14	-121.86	3.69	3.00	3.00	3.00	3.00	3.00
3.69E+09	-118.74	-120.73	-119.30	-120.70	-120.62	-120.41	3.69				-3.30	-3.02
3.70E+09	-118.97	-120.36	-119.87	-120.38	-121.03	-119.87	3.70					
3.70E+09	-119.89	-120.42	-119.49	-119.57	-122.66	-119.80	3.70					
3.71E+09	-119.81	-120.81	-120.51	-120.69	-121.58	-121.26	3.71					
3.71E+09	-119.68	-120.08	-119.47	-120.36	-120.88	-119.21	3.71					
3.72E+09	-119.90	-119.62	-119.88	-119.33	-121.22	-119.59	3.72					
3.72E+09	-119.84	-121.01	-119.21	-118.92	-121.91	-120.33	3.72					
3.73E+09	-118.75	-121.09	-119.89	-120.21	-121.25	-120.36	3.73					
3.73E+09	-118.32	-120.68	-119.82	-120.51	-119.51	-120.51	3.73					
3.74E+09	-118.77	-120.12	-119.03	-119.96	-121.59	-120.37	3.74					
3.74E+09	-119.55	-122.41	-119.95	-120.25	-122.35	-120.61	3.74					
3.75E+09	-119.20	-121.77	-121.13	-119.94	-121.16	-121.13	3.75					
3.75E+09	-118.40	-121.23	-120.33	-121.30	-122.16	-119.20	3.75				-3.76	
3.76E+09	-119.45	-119.81	-119.18	-120.16	-122.18	-120.21	3.76					
3.76E+09	-120.35	-120.95	-120.29	-120.40	-121.35	-120.55	3.76					
3.77E+09	-119.27	-121.58	-119.90	-120.62	-122.84	-121.56	3.77				-3.57	
3.77E+09	-118.38	-120.14	-119.65	-121.13	-121.13	-119.81	3.77					
3.78E+09	-119.35	-120.32	-119.99	-121.07	-120.78	-121.54	3.78					
3.78E+09	-118.65	-121.60	-120.45	-119.87	-121.77	-121.91	3.78				-3.12	-3.26
3.79E+09	-119.13	-120.55	-119.84	-120.63	-119.97	-120.78	3.79					
3.79E+09	-119.16	-121.03	-120.58	-120.10	-120.79	-119.35	3.79					
3.80E+09	-119.51	-121.82	-120.13	-120.62	-121.48	-120.52	3.80					
3.80E+09	-118.53	-120.80	-121.15	-121.08	-121.08	-120.79	3.80					
3.81E+09	-118.32	-120.65	-121.63	-120.97	-120.10	-120.47	3.81	-3.30				
3.81E+09	-120.00	-120.05	-120.43	-119.27	-121.22	-119.32	3.81					

2 -4 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.			Comparison				
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq GHz	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	dBm	dBm	dBm	dBm	dBm
3.82E+09	-119.64	-120.85	-119.73	-120.69	-120.61	-120.31	3.82	3.00	3.00	3.00	3.00	3.00
3.82E+09	-119.71	-121.39	-120.71	-120.51	-121.27	-120.61	3.82					
3.83E+09	-119.26	-119.00	-119.09	-121.06	-120.45	-120.09	3.83					
3.83E+09	-120.38	-120.39	-119.41	-120.25	-122.63	-120.79	3.83					
3.84E+09	-119.02	-121.19	-119.96	-120.51	-122.94	-120.95	3.84				-3.92	
3.84E+09	-119.10	-120.85	-120.36	-121.60	-122.75	-120.99	3.84				-3.65	
3.85E+09	-119.01	-120.64	-119.57	-119.05	-120.39	-120.69	3.85					
3.85E+09	-119.74	-121.16	-120.11	-119.89	-120.75	-121.12	3.85					
3.86E+09	-119.37	-121.50	-119.91	-121.36	-122.16	-121.05	3.86					
3.86E+09	-119.38	-120.78	-120.25	-118.99	-121.78	-120.06	3.86					
3.87E+09	-119.71	-122.11	-120.07	-120.07	-123.01	-121.77	3.87				-3.30	
3.87E+09	-119.54	-122.12	-119.47	-120.05	-122.94	-121.50	3.87				-3.40	
3.88E+09	-119.42	-120.44	-119.69	-120.20	-122.87	-122.18	3.88				-3.45	
3.88E+09	-119.00	-121.27	-119.46	-121.48	-119.80	-121.04	3.88					
3.89E+09	-120.03	-119.67	-120.51	-119.30	-121.84	-120.50	3.89					
3.89E+09	-120.40	-120.21	-120.21	-120.42	-122.00	-120.91	3.89					
3.90E+09	-119.84	-120.75	-120.38	-120.61	-121.82	-120.40	3.90					
3.90E+09	-118.73	-121.43	-120.59	-120.57	-121.75	-120.50	3.90				-3.02	
3.91E+09	-119.72	-120.57	-119.42	-119.68	-120.97	-120.92	3.91					
3.91E+09	-119.36	-120.96	-119.90	-121.79	-121.74	-121.46	3.91					
3.92E+09	-119.26	-121.17	-120.32	-121.02	-120.23	-120.04	3.92					
3.92E+09	-118.49	-120.76	-120.63	-118.81	-122.73	-121.10	3.92				-4.23	
3.93E+09	-119.39	-120.18	-119.69	-119.08	-121.27	-119.75	3.93					
3.93E+09	-119.24	-122.40	-120.92	-121.80	-122.57	-120.31	3.93	-3.16			-3.34	
3.94E+09	-118.41	-120.48	-119.87	-120.48	-122.37	-119.74	3.94				-3.96	
3.94E+09	-119.80	-121.16	-120.88	-120.90	-120.75	-119.34	3.94					

2 -4 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.		Comparison					
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq GHz	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	minus the Ambient scan				
								dBm	dBm	dBm	dBm	dBm
3.95E+09	-120.92	-121.29	-120.31	-120.10	-122.52	-120.85	3.95	3.00	3.00	3.00	3.00	3.00
3.95E+09	-119.06	-122.09	-118.67	-120.75	-121.51	-120.69	3.95	-3.03				
3.96E+09	-118.45	-122.15	-120.83	-120.36	-120.76	-120.36	3.96	-3.70				
3.96E+09	-119.45	-120.54	-120.28	-119.97	-120.52	-120.63	3.96					
3.97E+09	-119.01	-121.90	-119.29	-119.76	-121.30	-121.01	3.97					
3.97E+09	-119.36	-121.01	-120.00	-120.85	-122.00	-122.28	3.97					
3.98E+09	-118.29	-120.27	-121.32	-120.04	-120.91	-121.59	3.98		-3.03			-3.29
3.98E+09	-119.81	-119.21	-120.26	-120.23	-121.29	-119.51	3.98					
3.99E+09	-119.79	-120.53	-119.67	-120.75	-122.67	-120.04	3.99					
3.99E+09	-118.44	-121.36	-120.45	-120.61	-120.71	-120.33	3.99					
4.00E+09	-119.03	-121.53	-121.83	-119.12	-120.67	-119.33	4.00					
4.00E+09	-119.81	-121.53	-119.17	-118.78	-121.67	-119.75	4.00					
Sum of column								-82.66	-48.62	-28.05	-257.45	-25.65

Attenuation (dB)
0

Center Frequency (Hz)
3000000000

Date/Time
1/6/2011 13:18

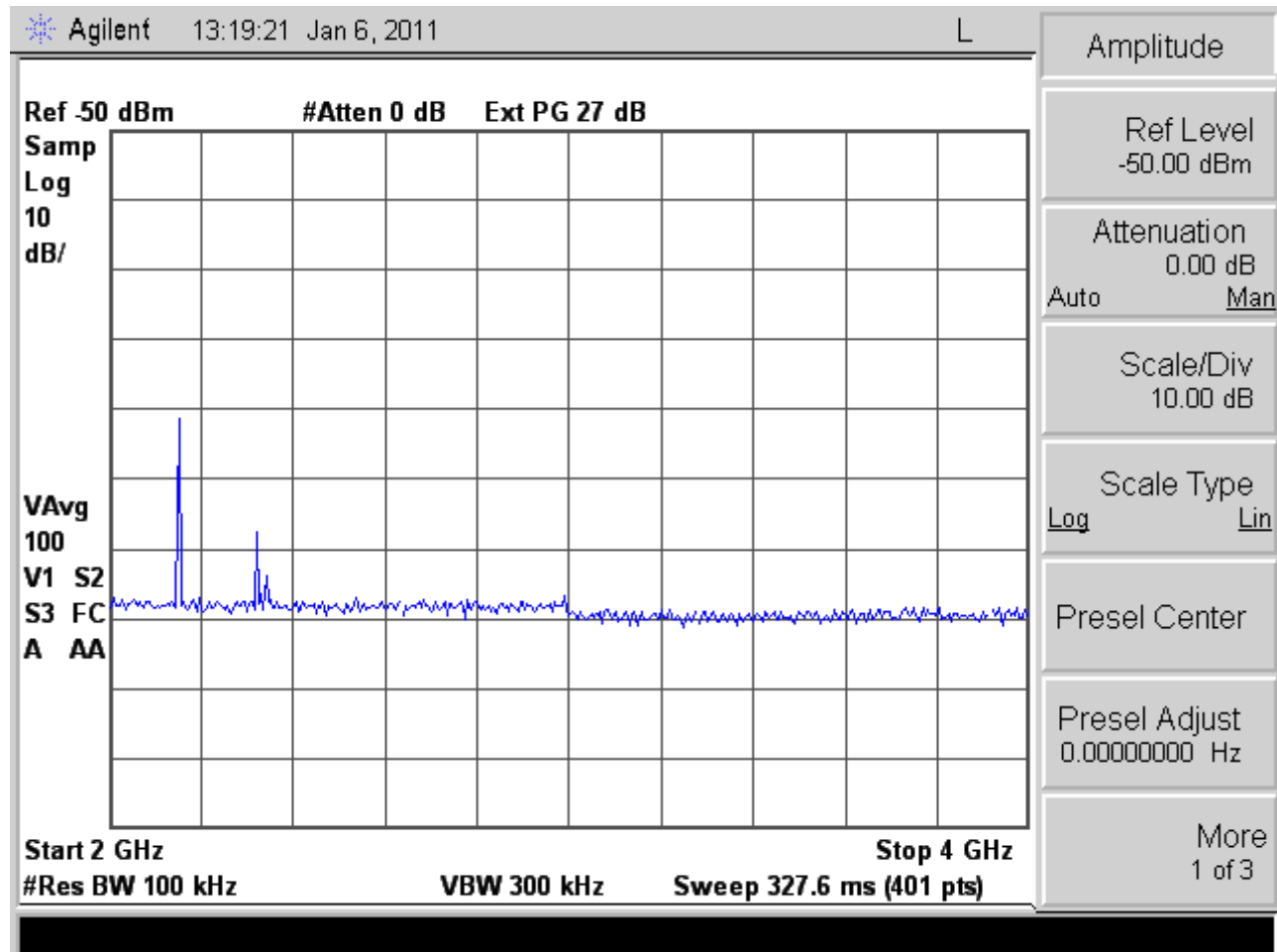
Instrument Model
E4407B

Instrument Serial Number
MY45116875

Reference Level (dBm)
-50

Resolution BW (Hz)
100000

Scale Type
LOG



Span Frequency (Hz)
2000000000

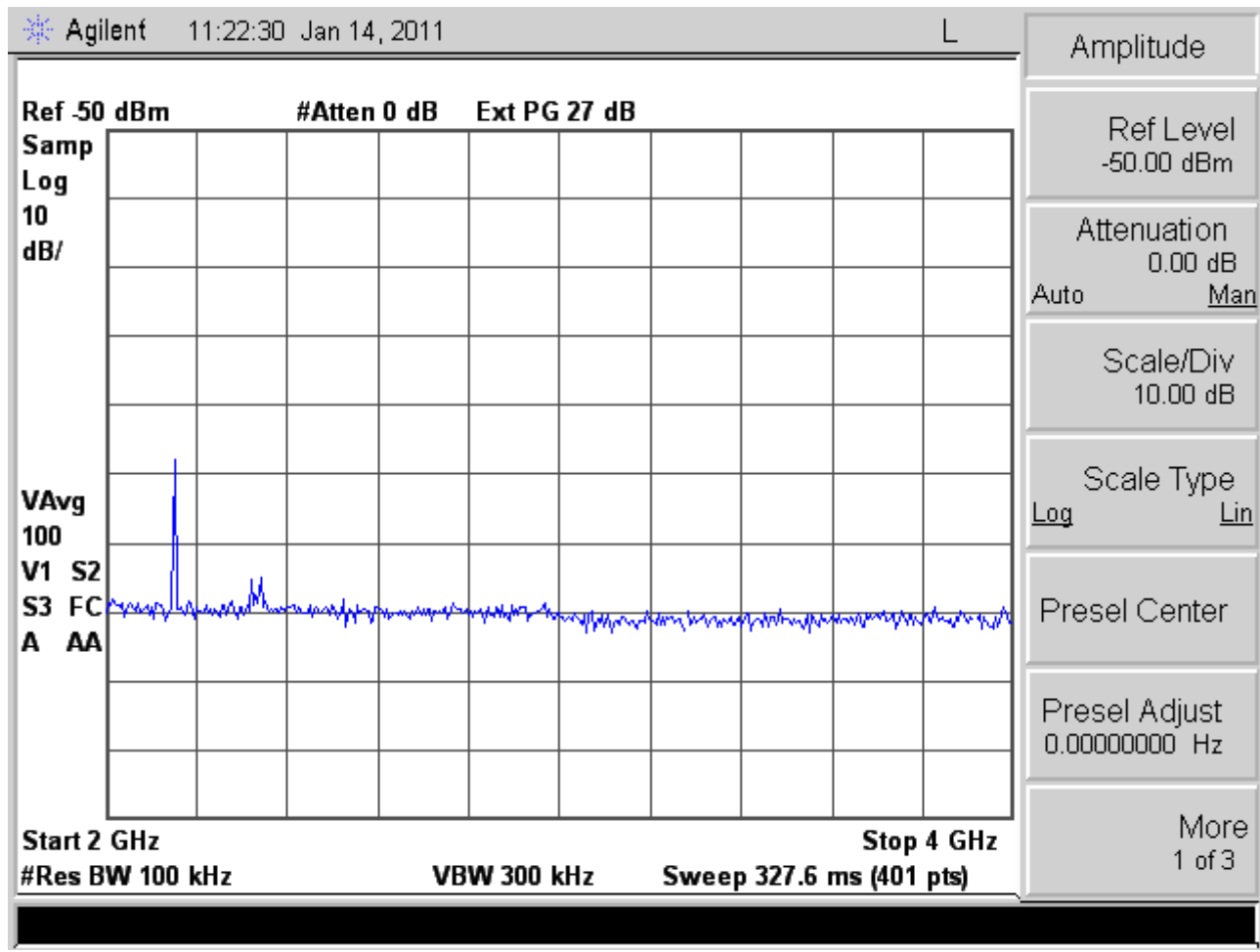
Start Frequency (Hz)
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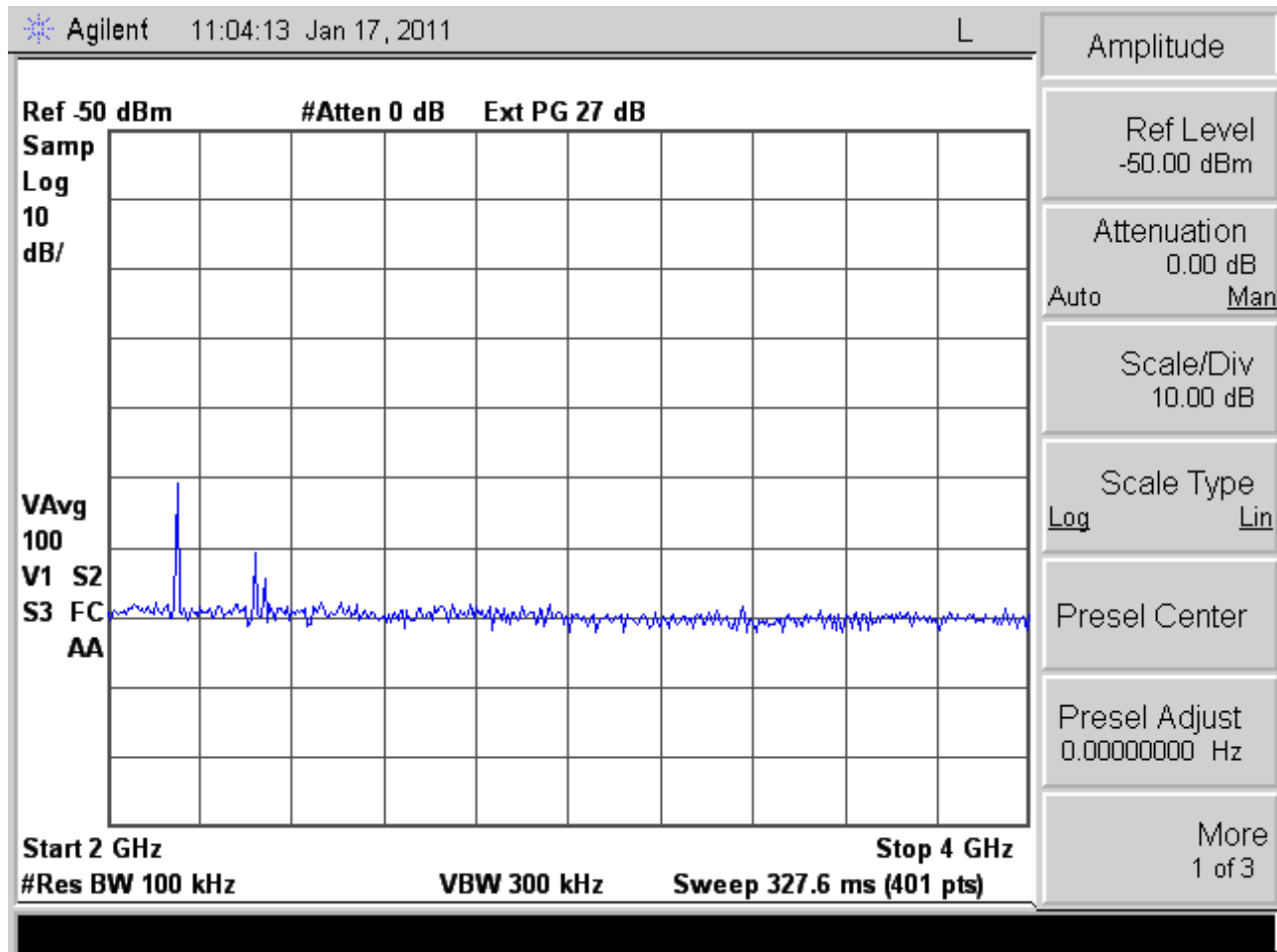
Stop Frequency (Hz)
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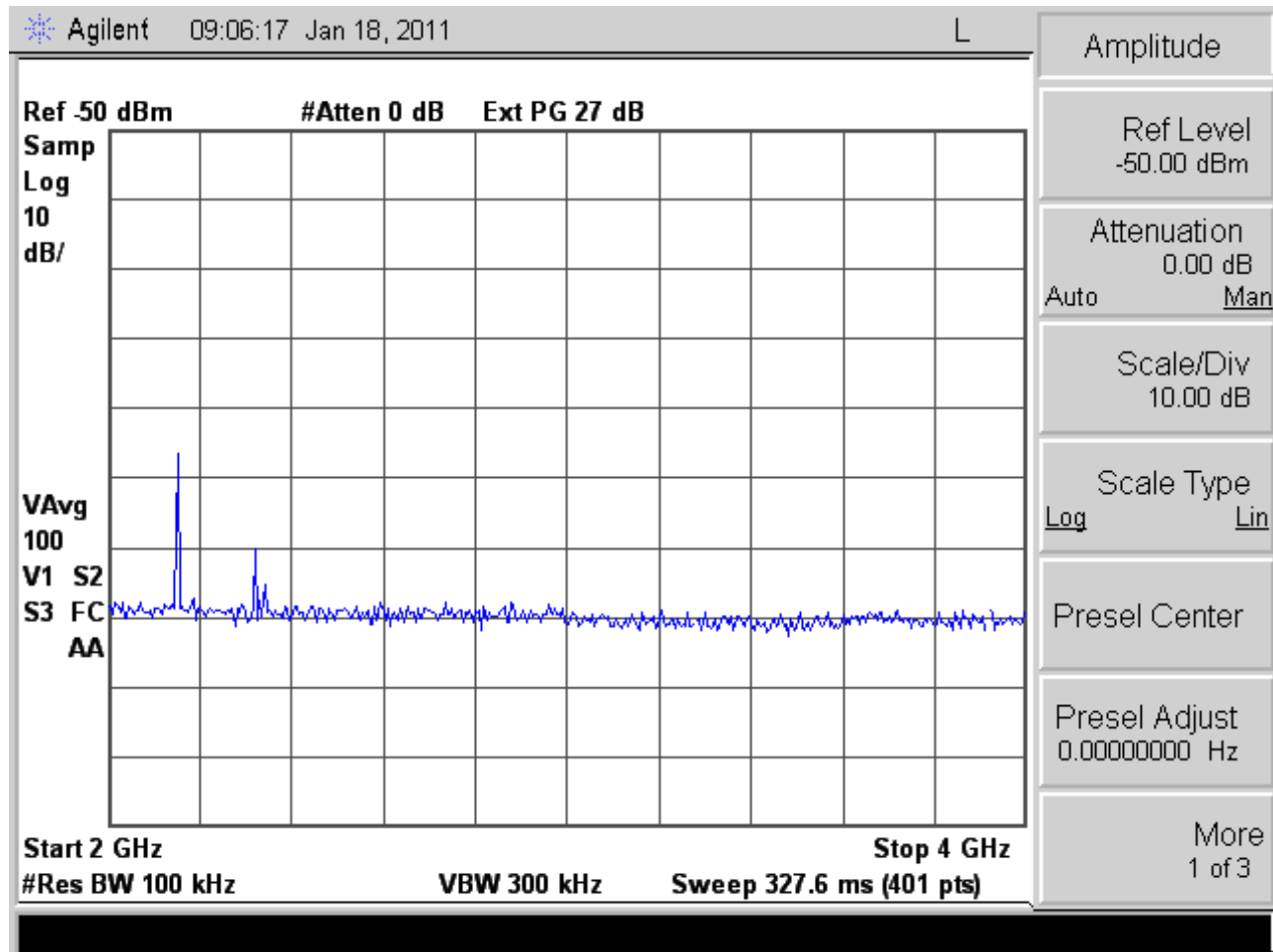
Sweep Number Of Points
401

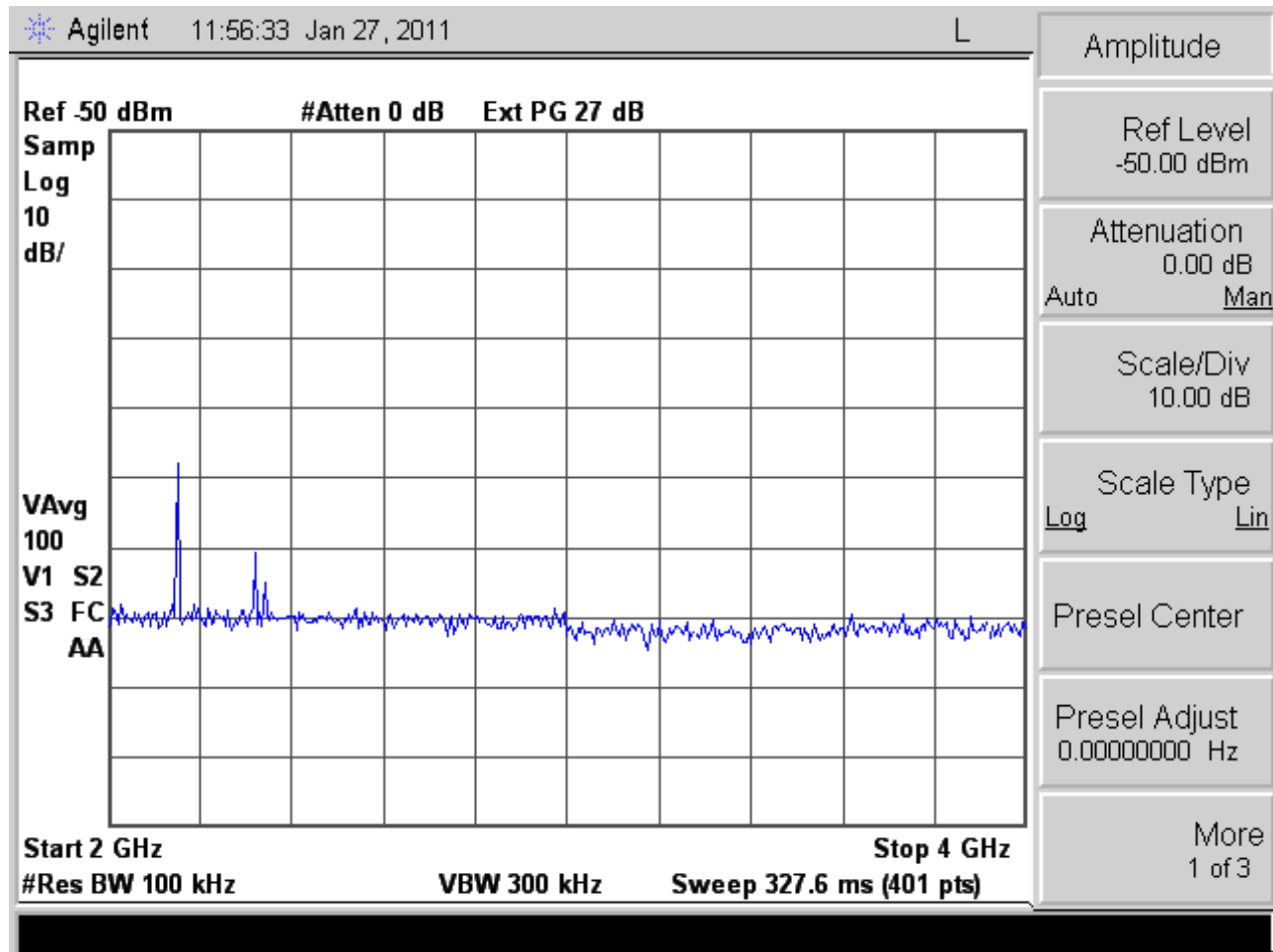
Sweep Time (seconds)
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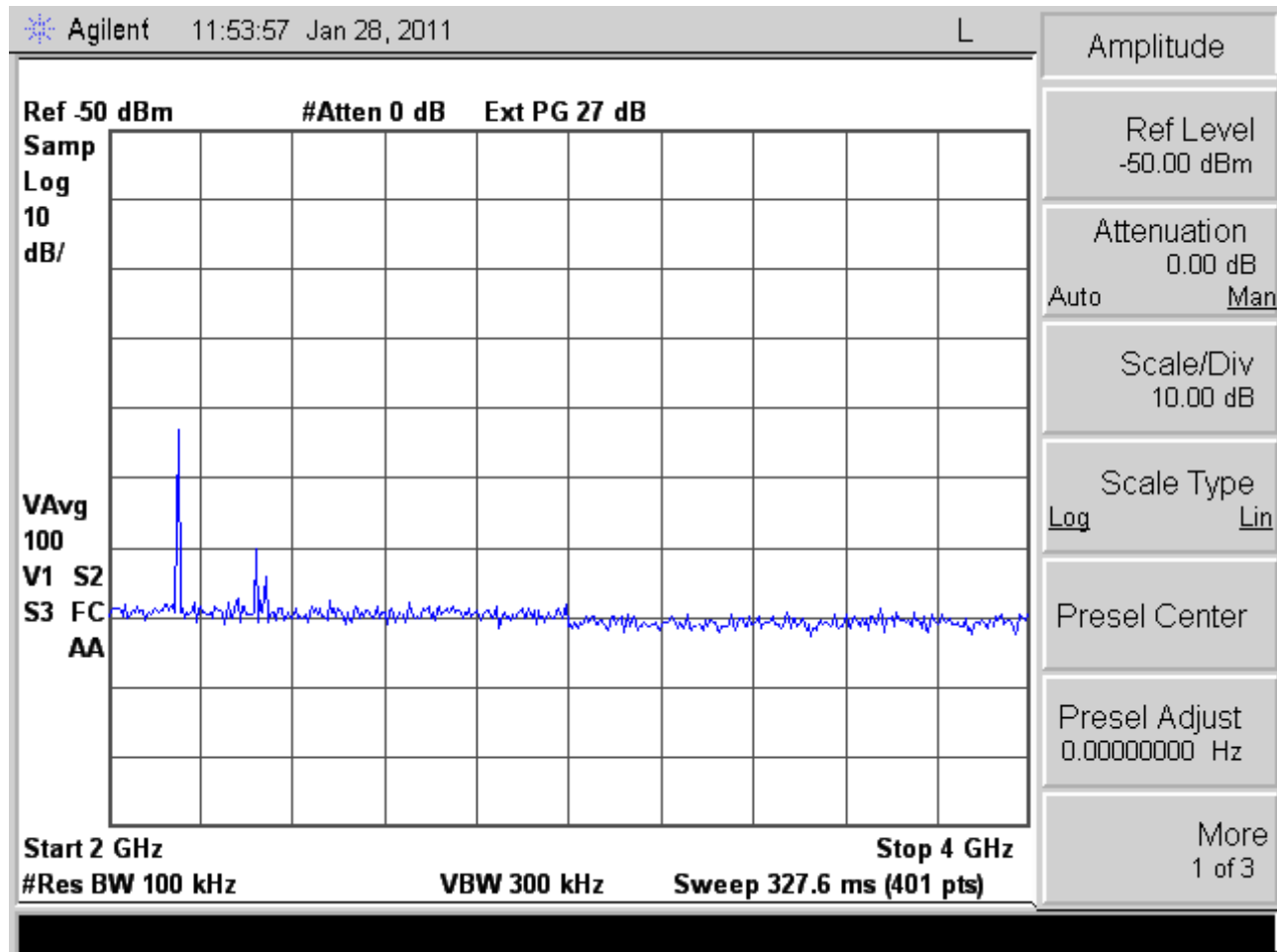
Video BW (Hz)
300000











4 – 8 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 28-Jan-2011							Comparison				
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.		14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
6-Jan-11	14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq GHz	minus the Ambient scan				
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	dBm	dBm	dBm	dBm	dBm
Enter Limit >							3.00	3.00	3.00	3.00	3.00
4.00E+09	-114.02	-114.82	-114.31	-113.58	-116.13	-114.79	4.00				
4.01E+09	-113.51	-114.82	-114.34	-114.60	-115.56	-115.27	4.01				
4.02E+09	-114.18	-115.00	-113.92	-114.33	-114.75	-115.12	4.02				
4.03E+09	-114.15	-115.29	-114.47	-115.35	-116.25	-114.67	4.03				
4.04E+09	-114.67	-116.11	-113.82	-114.38	-115.75	-115.11	4.04				
4.05E+09	-113.72	-114.40	-115.07	-114.36	-115.53	-114.85	4.05				
4.06E+09	-114.76	-114.79	-114.40	-115.39	-116.15	-115.79	4.06				
4.07E+09	-113.06	-115.17	-115.11	-114.21	-114.92	-114.53	4.07				
4.08E+09	-114.26	-115.20	-114.71	-115.63	-115.65	-115.91	4.08				
4.09E+09	-113.37	-115.03	-114.29	-114.31	-115.20	-114.78	4.09				
4.10E+09	-113.45	-114.69	-114.69	-115.28	-115.88	-115.57	4.10				
4.11E+09	-114.15	-115.21	-114.25	-114.29	-115.10	-115.32	4.11				
4.12E+09	-113.68	-114.66	-115.60	-115.07	-115.95	-115.00	4.12				
4.13E+09	-114.39	-115.13	-114.02	-113.92	-115.41	-114.54	4.13				
4.14E+09	-113.95	-114.94	-114.17	-114.73	-115.53	-115.06	4.14				
4.15E+09	-114.13	-115.09	-115.11	-113.89	-116.70	-113.73	4.15				
4.16E+09	-113.86	-114.93	-114.56	-114.02	-115.36	-114.87	4.16				
4.17E+09	-114.24	-114.49	-114.18	-114.31	-116.15	-115.12	4.17				
4.18E+09	-113.53	-115.06	-114.81	-114.36	-115.03	-115.20	4.18				
4.19E+09	-114.37	-115.08	-114.97	-114.21	-115.94	-115.01	4.19				
4.20E+09	-113.68	-114.88	-114.72	-114.74	-115.73	-114.90	4.20				
4.21E+09	-114.34	-115.24	-114.73	-114.94	-116.32	-115.43	4.21				
4.22E+09	-113.82	-114.99	-114.55	-114.23	-115.39	-114.83	4.22				
4.23E+09	-113.09	-115.02	-114.54	-115.10	-115.44	-115.08	4.23				
4.24E+09	-113.77	-114.42	-114.97	-114.54	-115.47	-115.17	4.24				

4 – 8 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 28-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.		Comparison					
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq GHz	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	minus the Ambient scan				
								dBm	dBm	dBm	dBm	dBm
4.25E+09	-113.92	-115.24	-115.25	-114.93	-116.24	-115.10	4.25	3.00	3.00	3.00	3.00	3.00
4.26E+09	-113.89	-114.30	-114.86	-114.21	-115.91	-114.58	4.26					
4.27E+09	-113.89	-115.47	-114.65	-115.86	-116.39	-115.53	4.27					
4.28E+09	-114.21	-114.21	-113.71	-114.11	-115.36	-115.02	4.28					
4.29E+09	-113.68	-115.50	-115.05	-115.68	-115.84	-115.13	4.29					
4.30E+09	-114.73	-115.13	-113.78	-114.72	-115.81	-114.60	4.30					
4.31E+09	-114.18	-116.17	-114.71	-115.19	-116.05	-115.00	4.31					
4.32E+09	-114.57	-114.63	-114.06	-113.47	-115.60	-115.00	4.32					
4.33E+09	-112.64	-115.40	-114.89	-115.04	-115.66	-115.61	4.33				-3.03	
4.34E+09	-114.82	-115.07	-114.79	-114.10	-116.30	-114.44	4.34					
4.35E+09	-113.79	-115.61	-114.63	-115.23	-116.47	-115.48	4.35					
4.36E+09	-115.57	-114.69	-113.57	-113.60	-115.91	-114.72	4.36					
4.37E+09	-113.66	-115.45	-115.02	-115.00	-115.20	-115.13	4.37					
4.38E+09	-113.94	-114.99	-113.79	-114.12	-116.10	-115.44	4.38					
4.39E+09	-114.31	-114.85	-114.59	-115.22	-115.86	-115.46	4.39					
4.40E+09	-114.46	-115.05	-114.29	-114.87	-116.59	-116.29	4.40					
4.41E+09	-114.62	-115.30	-114.86	-115.07	-115.73	-115.26	4.41					
4.42E+09	-114.61	-115.33	-114.20	-114.70	-115.94	-116.33	4.42					
4.43E+09	-115.16	-115.27	-114.68	-115.00	-116.32	-115.93	4.43					
4.44E+09	-114.34	-115.43	-114.50	-114.95	-116.22	-116.18	4.44					
4.45E+09	-114.84	-114.74	-113.91	-115.08	-116.19	-115.56	4.45					
4.46E+09	-114.08	-115.90	-115.33	-116.18	-115.78	-115.54	4.46					
4.47E+09	-114.56	-115.23	-114.24	-114.21	-116.62	-114.93	4.47					
4.48E+09	-113.47	-115.37	-114.64	-115.17	-116.78	-115.62	4.48				-3.31	
4.49E+09	-114.80	-115.12	-114.89	-114.94	-116.95	-115.34	4.49					
4.50E+09	-114.35	-115.18	-114.80	-116.35	-116.15	-116.00	4.50					

4 – 8 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 28-Jan-2011											
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.		Comparison				
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	minus the Ambient scan				
							dBm	dBm	dBm	dBm	dBm
							3.00	3.00	3.00	3.00	3.00
4.51E+09	-115.26	-115.38	-114.37	-114.52	-116.93	-115.70					
4.52E+09	-114.28	-115.16	-114.75	-115.12	-115.64	-115.43					
4.53E+09	-115.05	-116.48	-114.37	-114.71	-116.97	-115.92					
4.54E+09	-114.16	-115.51	-115.32	-114.57	-115.88	-114.83					
4.55E+09	-114.57	-116.08	-115.50	-115.06	-116.80	-115.83					
4.56E+09	-114.12	-114.72	-115.40	-115.07	-116.28	-114.33					
4.57E+09	-114.16	-115.39	-114.11	-114.77	-117.23	-116.29					-3.07
4.58E+09	-113.85	-115.24	-114.59	-114.99	-116.04	-115.17					
4.59E+09	-114.32	-115.31	-114.79	-115.35	-116.22	-116.34					
4.60E+09	-114.34	-114.10	-115.11	-114.19	-115.60	-115.62					
4.61E+09	-114.60	-116.10	-114.20	-114.81	-116.23	-116.13					
4.62E+09	-114.61	-115.11	-114.30	-114.81	-115.83	-115.55					
4.63E+09	-114.18	-115.85	-114.63	-115.15	-116.59	-116.46					
4.64E+09	-114.86	-115.03	-115.72	-114.62	-116.93	-115.11					
4.65E+09	-114.68	-115.97	-115.12	-115.07	-116.21	-115.82					
4.66E+09	-115.20	-115.42	-115.02	-114.81	-116.04	-116.14					
4.67E+09	-114.00	-116.12	-115.19	-115.36	-117.05	-116.37					-3.05
4.68E+09	-114.97	-115.46	-114.97	-115.24	-116.04	-115.38					
4.69E+09	-113.39	-115.44	-114.94	-115.55	-116.11	-115.91					
4.70E+09	-115.24	-115.11	-114.05	-114.44	-116.91	-114.92					
4.71E+09	-113.96	-115.26	-115.13	-115.23	-115.49	-114.73					
4.72E+09	-115.08	-114.81	-115.01	-114.65	-115.93	-116.04					
4.73E+09	-114.99	-114.78	-115.76	-115.74	-115.65	-115.24					
4.74E+09	-114.31	-115.61	-115.90	-115.08	-115.95	-116.43					
4.75E+09	-113.96	-114.90	-114.60	-115.43	-117.29	-115.84					-3.33
4.76E+09	-114.71	-115.61	-114.71	-114.96	-117.03	-115.71					

4 – 8 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 28-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.		Comparison					
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq GHz	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	minus the Ambient scan				
								dBm	dBm	dBm	dBm	dBm
4.77E+09	-115.08	-115.06	-115.43	-114.89	-115.84	-115.57	4.77	3.00	3.00	3.00	3.00	3.00
4.78E+09	-113.69	-115.87	-114.48	-115.07	-115.36	-115.29	4.78					
4.79E+09	-114.22	-115.54	-114.23	-114.59	-115.45	-115.16	4.79					
4.80E+09	-114.57	-115.45	-115.04	-114.57	-116.10	-115.86	4.80					
4.81E+09	-114.15	-115.45	-115.44	-115.16	-115.52	-115.17	4.81					
4.82E+09	-114.57	-116.00	-115.14	-115.45	-115.56	-115.46	4.82					
4.83E+09	-114.63	-115.92	-114.47	-115.34	-116.34	-114.70	4.83					
4.84E+09	-113.74	-115.51	-115.15	-114.80	-116.31	-115.36	4.84					
4.85E+09	-114.93	-114.93	-114.57	-114.83	-116.47	-115.79	4.85					
4.86E+09	-113.56	-115.89	-115.32	-115.35	-115.52	-114.88	4.86					
4.87E+09	-115.00	-115.67	-114.97	-115.22	-116.48	-115.97	4.87					
4.88E+09	-113.84	-115.32	-114.59	-115.04	-116.17	-115.44	4.88					
4.89E+09	-114.77	-116.38	-114.10	-114.86	-116.49	-116.02	4.89					
4.90E+09	-113.84	-115.69	-114.59	-115.13	-116.13	-115.08	4.90					
4.91E+09	-115.52	-115.55	-114.80	-115.22	-116.82	-115.20	4.91					
4.92E+09	-113.93	-115.53	-113.91	-115.24	-115.88	-115.63	4.92					
4.93E+09	-114.36	-116.36	-114.63	-115.07	-116.07	-116.85	4.93					
4.94E+09	-114.84	-115.37	-114.78	-115.54	-116.95	-115.62	4.94					
4.95E+09	-115.38	-116.24	-114.84	-115.46	-117.19	-116.21	4.95					
4.96E+09	-114.55	-116.07	-115.45	-115.14	-116.33	-115.16	4.96					
4.97E+09	-114.21	-115.87	-115.29	-115.51	-116.86	-115.99	4.97					
4.98E+09	-115.31	-115.15	-115.38	-115.44	-116.27	-115.02	4.98					
4.99E+09	-114.96	-116.09	-114.90	-115.88	-117.24	-116.29	4.99					
5.00E+09	-114.88	-116.36	-114.63	-115.09	-116.46	-115.24	5.00					
5.01E+09	-114.27	-116.34	-116.46	-116.43	-117.33	-116.33	5.01				-3.07	
5.02E+09	-115.17	-116.04	-114.75	-115.11	-116.35	-115.53	5.02					

4 – 8 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 28-Jan-2011

Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.		Comparison				
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	minus the Ambient scan				
							dBm	dBm	dBm	dBm	dBm
							3.00	3.00	3.00	3.00	3.00
5.03E+09	-114.57	-116.02	-115.40	-115.20	-116.60	-115.82	5.03				
5.04E+09	-114.77	-115.98	-115.75	-115.28	-117.10	-115.52	5.04				
5.05E+09	-114.29	-115.19	-115.45	-115.17	-116.68	-115.73	5.05				
5.06E+09	-115.35	-115.99	-115.28	-115.45	-116.16	-115.94	5.06				
5.07E+09	-115.23	-116.18	-115.50	-115.82	-116.71	-115.54	5.07				
5.08E+09	-114.89	-115.74	-114.48	-115.56	-116.75	-116.50	5.08				
5.09E+09	-115.21	-115.84	-115.40	-115.32	-116.29	-115.47	5.09				
5.10E+09	-115.01	-115.74	-114.84	-115.45	-116.86	-117.11	5.10				
5.11E+09	-114.96	-115.01	-114.94	-115.25	-116.82	-115.45	5.11				
5.12E+09	-114.78	-116.68	-115.69	-115.32	-117.07	-116.43	5.12				
5.13E+09	-114.80	-115.87	-114.73	-114.95	-117.20	-115.65	5.13				
5.14E+09	-115.07	-115.71	-114.67	-115.50	-115.66	-116.09	5.14				
5.15E+09	-114.55	-115.84	-115.33	-115.28	-116.41	-115.20	5.15				
5.16E+09	-114.78	-116.36	-115.69	-115.66	-116.30	-116.81	5.16				
5.17E+09	-114.78	-115.38	-115.24	-114.99	-116.51	-115.71	5.17				
5.18E+09	-115.18	-116.65	-115.73	-115.78	-116.26	-116.33	5.18				
5.19E+09	-115.14	-115.09	-115.50	-115.10	-117.20	-115.34	5.19				
5.20E+09	-114.55	-115.91	-116.22	-115.24	-116.68	-115.62	5.20				
5.21E+09	-115.39	-115.55	-115.04	-114.89	-116.89	-115.70	5.21				
5.22E+09	-114.71	-115.61	-116.49	-115.37	-116.51	-115.24	5.22				
5.23E+09	-115.38	-116.20	-114.32	-115.27	-116.05	-116.09	5.23				
5.24E+09	-114.32	-114.86	-115.65	-115.13	-116.46	-115.39	5.24				
5.25E+09	-114.20	-115.18	-114.97	-115.49	-116.98	-115.50	5.25				
5.26E+09	-114.47	-115.12	-115.86	-113.95	-116.08	-115.54	5.26				
5.27E+09	-114.90	-115.51	-114.24	-115.50	-116.94	-114.96	5.27				
5.28E+09	-114.58	-114.49	-115.23	-114.10	-117.09	-115.92	5.28				

4 – 8 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 28-Jan-2011

Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.		Comparison				
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	minus the Ambient scan				
						Freq GHz	dBm	dBm	dBm	dBm	dBm
						Enter Limit >	3.00	3.00	3.00	3.00	3.00
5.29E+09	-114.99	-116.61	-114.43	-114.79	-116.21	5.29					
5.30E+09	-114.30	-114.89	-115.55	-114.63	-116.13	5.30					
5.31E+09	-114.86	-116.11	-114.13	-114.59	-116.91	5.31					
5.32E+09	-114.26	-115.13	-115.19	-114.97	-116.21	5.32					
5.33E+09	-112.92	-115.57	-114.91	-115.04	-116.31	5.33				-3.39	
5.34E+09	-114.67	-112.74	-115.97	-115.11	-116.45	5.34					
5.35E+09	-113.77	-116.09	-114.95	-115.25	-116.78	5.35				-3.00	
5.36E+09	-115.06	-115.28	-114.79	-114.91	-116.48	5.36					
5.37E+09	-114.03	-116.07	-115.27	-115.67	-115.57	5.37					
5.38E+09	-115.05	-116.08	-115.35	-114.88	-116.46	5.38					
5.39E+09	-114.68	-115.36	-115.03	-115.67	-116.71	5.39					
5.40E+09	-114.85	-115.33	-114.80	-115.27	-116.79	5.40					
5.41E+09	-113.84	-115.72	-115.24	-115.18	-116.07	5.41					
5.42E+09	-110.24	-113.21	-114.75	-114.62	-117.00	5.42		-4.51	-4.38	-6.76	-6.27
5.43E+09	-115.08	-115.44	-114.92	-113.93	-117.30	5.43					
5.44E+09	-113.84	-115.27	-115.42	-115.57	-116.03	5.44					
5.45E+09	-114.55	-115.43	-114.88	-115.42	-116.66	5.45					
5.46E+09	-114.53	-115.76	-115.02	-115.17	-117.21	5.46					
5.47E+09	-115.05	-114.82	-114.28	-114.90	-116.85	5.47					
5.48E+09	-114.85	-115.64	-115.01	-115.84	-116.45	5.48					
5.49E+09	-114.34	-115.29	-114.97	-114.14	-116.21	5.49					
5.50E+09	-114.28	-116.04	-116.52	-115.32	-115.98	5.50					
5.51E+09	-114.72	-115.49	-114.56	-114.93	-117.58	5.51					
5.52E+09	-114.67	-115.80	-115.27	-115.51	-115.62	5.52					
5.53E+09	-115.25	-115.57	-114.01	-115.38	-116.29	5.53					
5.54E+09	-114.56	-116.25	-115.05	-115.24	-115.95	5.54					

4 – 8 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 28-Jan-2011											
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.		Comparison				
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	minus the Ambient scan				
							Freq GHz				
							Enter Limit >	dBm	dBm	dBm	dBm
								3.00	3.00	3.00	3.00
5.55E+09	-114.15	-116.00	-114.22	-114.91	-116.55	-116.80	5.55				
5.56E+09	-114.22	-115.54	-114.86	-115.13	-115.71	-114.98	5.56				
5.57E+09	-115.44	-115.45	-114.76	-115.11	-116.73	-115.35	5.57				
5.58E+09	-114.61	-115.58	-115.17	-114.40	-116.07	-115.29	5.58				
5.59E+09	-114.08	-116.08	-114.51	-115.27	-117.13	-115.76	5.59			-3.05	
5.60E+09	-114.27	-115.51	-115.47	-114.48	-115.69	-115.48	5.60				
5.61E+09	-114.85	-115.97	-114.89	-115.13	-116.62	-116.08	5.61				
5.62E+09	-115.14	-116.04	-114.89	-115.03	-116.13	-114.35	5.62				
5.63E+09	-114.48	-115.32	-114.90	-115.73	-116.41	-115.43	5.63				
5.64E+09	-115.47	-115.12	-114.75	-114.93	-115.94	-115.02	5.64				
5.65E+09	-114.07	-116.09	-114.81	-114.71	-116.91	-115.88	5.65				
5.66E+09	-115.14	-115.31	-115.77	-114.96	-116.09	-114.88	5.66				
5.67E+09	-115.01	-115.66	-115.04	-115.09	-116.64	-115.74	5.67				
5.68E+09	-114.16	-115.69	-114.51	-114.98	-116.63	-115.90	5.68				
5.69E+09	-114.61	-115.66	-114.83	-115.02	-116.46	-116.06	5.69				
5.70E+09	-114.94	-116.03	-115.49	-115.76	-116.83	-115.58	5.70				
5.71E+09	-115.13	-115.74	-115.57	-115.60	-116.23	-115.47	5.71				
5.72E+09	-114.63	-115.63	-115.02	-115.19	-117.45	-116.10	5.72				
5.73E+09	-113.56	-115.63	-115.33	-114.93	-116.09	-115.08	5.73				
5.74E+09	-114.36	-114.99	-115.13	-114.68	-115.87	-115.59	5.74				
5.75E+09	-115.07	-116.27	-115.61	-115.79	-116.73	-115.80	5.75				
5.76E+09	-114.50	-115.98	-114.77	-115.78	-116.93	-115.61	5.76				
5.77E+09	-112.48	-113.93	-113.92	-114.32	-115.56	-115.33	5.77			-3.07	
5.78E+09	-113.88	-113.02	-114.34	-113.68	-116.74	-115.48	5.78				
5.79E+09	-114.37	-114.97	-114.37	-114.95	-116.34	-114.55	5.79				
5.80E+09	-113.79	-115.66	-115.27	-115.12	-116.67	-115.72	5.80				

4 – 8 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 28-Jan-2011											
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.		Comparison				
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	minus the Ambient scan				
							dBm	dBm	dBm	dBm	dBm
							3.00	3.00	3.00	3.00	3.00
5.81E+09	-115.04	-114.50	-114.22	-114.89	-116.79	-116.10					
5.82E+09	-114.17	-115.56	-114.85	-114.38	-115.44	-115.98					
5.83E+09	-114.12	-115.86	-114.61	-115.54	-116.22	-115.29					
5.84E+09	-113.92	-115.30	-114.22	-114.82	-116.01	-115.15					
5.85E+09	-114.58	-114.78	-114.43	-114.97	-117.23	-114.56					
5.86E+09	-114.31	-115.55	-115.30	-114.40	-115.47	-115.72					
5.87E+09	-114.15	-115.59	-113.92	-115.01	-116.30	-115.04					
5.88E+09	-114.95	-116.05	-114.63	-115.28	-116.02	-115.33					
5.89E+09	-115.14	-114.74	-114.77	-114.21	-116.48	-115.54					
5.90E+09	-115.32	-115.81	-114.10	-114.90	-116.16	-116.23					
5.91E+09	-115.28	-115.85	-115.30	-115.13	-116.43	-116.19					
5.92E+09	-114.68	-116.17	-114.68	-115.20	-116.22	-115.76					
5.93E+09	-114.77	-115.97	-114.72	-115.52	-116.64	-116.13					
5.94E+09	-114.37	-115.47	-114.62	-115.47	-116.55	-115.91					
5.95E+09	-114.74	-115.89	-115.86	-115.83	-116.81	-115.44					
5.96E+09	-114.70	-115.55	-115.17	-115.48	-116.60	-115.76					
5.97E+09	-114.85	-115.71	-116.11	-115.71	-116.19	-115.42					
5.98E+09	-114.82	-115.50	-113.95	-115.04	-117.65	-115.22					
5.99E+09	-114.85	-115.01	-115.14	-114.73	-115.51	-116.18					
6.00E+09	-115.25	-114.96	-115.07	-115.15	-116.31	-115.97					
6.01E+09	-114.53	-115.45	-115.24	-115.17	-115.69	-115.70					
6.02E+09	-115.20	-115.46	-114.71	-115.76	-116.07	-116.18					
6.03E+09	-114.12	-115.02	-115.17	-115.27	-116.29	-116.56					
6.04E+09	-114.44	-116.09	-115.94	-114.52	-116.03	-115.76					
6.05E+09	-114.47	-115.10	-114.51	-114.91	-115.65	-114.75					
6.06E+09	-114.32	-114.56	-112.81	-113.09	-116.42	-114.98					

4 – 8 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 28-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.		Comparison					
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq GHz	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	minus the Ambient scan				
								dBm	dBm	dBm	dBm	dBm
6.07E+09	-114.90	-115.04	-115.08	-114.43	-116.41	-114.97	6.07	3.00	3.00	3.00	3.00	3.00
6.08E+09	-115.14	-115.43	-115.91	-116.37	-116.53	-115.30	6.08					
6.09E+09	-114.33	-115.10	-115.25	-114.69	-116.33	-115.07	6.09					
6.10E+09	-114.90	-116.27	-115.17	-115.60	-116.60	-115.50	6.10					
6.11E+09	-114.86	-116.11	-114.77	-115.26	-115.81	-115.47	6.11					
6.12E+09	-115.35	-116.22	-114.78	-115.29	-116.24	-116.26	6.12					
6.13E+09	-115.25	-115.47	-115.57	-115.07	-116.46	-115.52	6.13					
6.14E+09	-114.12	-116.08	-114.65	-115.32	-116.05	-115.78	6.14					
6.15E+09	-114.57	-115.22	-114.69	-113.96	-113.77	-114.05	6.15					
6.16E+09	-114.75	-115.58	-115.57	-115.76	-116.08	-114.04	6.16					
6.17E+09	-115.79	-116.37	-114.93	-115.30	-117.38	-115.87	6.17					
6.18E+09	-114.62	-115.25	-115.26	-115.60	-116.24	-116.08	6.18					
6.19E+09	-113.75	-115.75	-115.29	-115.17	-116.66	-115.15	6.19					
6.20E+09	-114.51	-115.71	-115.46	-115.46	-116.66	-116.16	6.20					
6.21E+09	-114.96	-115.66	-115.07	-114.88	-117.98	-114.89	6.21					-3.02
6.22E+09	-114.67	-115.56	-115.36	-115.30	-117.39	-115.24	6.22					
6.23E+09	-114.41	-116.02	-115.18	-115.24	-116.27	-115.39	6.23					
6.24E+09	-114.25	-115.35	-115.08	-115.73	-116.75	-115.72	6.24					
6.25E+09	-114.25	-116.75	-115.47	-115.50	-116.56	-115.83	6.25					
6.26E+09	-113.40	-115.34	-115.04	-115.25	-115.70	-115.36	6.26					
6.27E+09	-114.74	-115.81	-114.94	-115.49	-116.66	-115.82	6.27					
6.28E+09	-115.54	-116.40	-114.48	-115.20	-116.79	-115.38	6.28					
6.29E+09	-114.43	-115.83	-114.85	-115.23	-116.43	-116.05	6.29					
6.30E+09	-114.43	-116.15	-115.50	-115.88	-117.38	-115.91	6.30					
6.31E+09	-114.51	-115.19	-115.27	-116.32	-116.60	-116.36	6.31					
6.32E+09	-114.14	-115.65	-115.37	-115.45	-115.66	-115.69	6.32					

4 – 8 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 28-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.		Comparison					
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq GHz	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	minus the Ambient scan dBm				
6.33E+09	-115.19	-115.67	-115.21	-115.75	-117.50	-115.45	6.33	3.00		3.00	3.00	3.00
6.34E+09	-114.65	-115.60	-115.24	-114.88	-116.56	-115.45	6.34					
6.35E+09	-115.09	-115.93	-115.43	-115.68	-116.13	-115.14	6.35					
6.36E+09	-115.24	-115.19	-115.54	-114.46	-116.25	-116.51	6.36					
6.37E+09	-114.75	-115.08	-114.54	-115.58	-117.14	-115.78	6.37					
6.38E+09	-115.33	-115.72	-115.39	-114.93	-117.06	-115.90	6.38					
6.39E+09	-114.49	-115.13	-115.58	-115.10	-116.00	-115.46	6.39					
6.40E+09	-114.55	-114.78	-115.33	-114.40	-116.84	-115.64	6.40					
6.41E+09	-114.82	-115.35	-114.87	-116.06	-117.22	-115.39	6.41					
6.42E+09	-114.31	-115.75	-115.52	-115.85	-116.25	-117.01	6.42					
6.43E+09	-114.97	-115.62	-115.08	-115.57	-116.44	-115.79	6.43					
6.44E+09	-114.92	-115.70	-114.90	-115.08	-116.67	-115.40	6.44					
6.45E+09	-114.14	-115.21	-114.97	-115.20	-116.46	-115.71	6.45					
6.46E+09	-115.39	-115.59	-115.03	-116.62	-116.61	-115.89	6.46					
6.47E+09	-114.92	-115.66	-115.30	-115.25	-116.58	-115.30	6.47					
6.48E+09	-115.51	-116.21	-117.06	-115.28	-116.46	-115.62	6.48					
6.49E+09	-115.91	-116.30	-114.64	-115.94	-116.70	-116.04	6.49					
6.50E+09	-114.52	-116.25	-115.12	-116.41	-117.16	-115.64	6.50					
6.51E+09	-115.06	-115.98	-115.82	-115.51	-116.74	-116.39	6.51					
6.52E+09	-114.35	-115.49	-116.86	-115.35	-116.48	-116.14	6.52					
6.53E+09	-114.56	-115.72	-115.26	-115.22	-116.70	-116.02	6.53					
6.54E+09	-114.87	-115.27	-115.84	-115.09	-115.95	-115.61	6.54					
6.55E+09	-114.93	-115.51	-115.04	-115.41	-117.38	-115.84	6.55					
6.56E+09	-114.65	-115.31	-114.67	-114.66	-116.36	-116.13	6.56					
6.57E+09	-114.00	-115.24	-114.58	-115.29	-115.16	-114.97	6.57					
6.58E+09	-114.08	-115.07	-114.87	-115.41	-116.31	-115.54	6.58					

4 – 8 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 28-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.		Comparison					
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan	
Frequency (Hz)		Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	minus the Ambient scan					
							Freq GHz					
							Enter Limit >					
								3.00	3.00	3.00	3.00	3.00
6.59E+09	-114.84	-115.18	-114.72	-115.24	-116.63	-115.63	6.59					
6.60E+09	-115.10	-115.66	-114.49	-115.38	-116.64	-116.00	6.60					
6.61E+09	-114.92	-115.69	-114.67	-114.95	-116.54	-115.62	6.61					
6.62E+09	-114.97	-115.76	-114.81	-115.51	-115.74	-115.69	6.62					
6.63E+09	-114.38	-115.51	-115.15	-115.60	-115.75	-115.22	6.63					
6.64E+09	-114.88	-115.61	-114.68	-115.43	-116.43	-115.76	6.64					
6.65E+09	-99.87	-115.31	-113.81	-115.33	-102.80	-112.58	6.65	-15.44	-13.94	-15.46		-12.71
6.66E+09	-114.78	-115.70	-114.84	-114.63	-116.88	-115.58	6.66					
6.67E+09	-114.35	-116.10	-114.97	-115.70	-115.94	-116.29	6.67					
6.68E+09	-114.67	-115.94	-115.39	-114.91	-116.37	-115.83	6.68					
6.69E+09	-114.10	-115.63	-114.81	-115.12	-115.88	-115.40	6.69					
6.70E+09	-114.78	-115.86	-115.17	-115.23	-116.69	-116.34	6.70					
6.71E+09	-114.46	-115.71	-115.06	-114.86	-116.48	-117.04	6.71					
6.72E+09	-114.32	-115.67	-114.73	-115.25	-116.64	-115.80	6.72					
6.73E+09	-114.31	-116.00	-115.06	-115.69	-117.01	-116.43	6.73					
6.74E+09	-115.38	-115.24	-114.91	-115.32	-116.62	-116.09	6.74					
6.75E+09	-114.64	-115.71	-115.11	-115.53	-116.49	-115.54	6.75					
6.76E+09	-115.22	-116.62	-114.75	-115.94	-117.05	-115.37	6.76					
6.77E+09	-115.23	-115.20	-115.07	-115.60	-115.69	-115.37	6.77					
6.78E+09	-114.84	-115.81	-115.79	-115.26	-116.47	-116.04	6.78					
6.79E+09	-114.75	-116.30	-115.35	-114.70	-116.46	-115.88	6.79					
6.80E+09	-114.36	-115.08	-114.31	-116.27	-116.62	-115.38	6.80					
6.81E+09	-114.13	-111.18	-111.63	-111.81	-115.82	-115.15	6.81					
6.82E+09	-114.87	-115.34	-114.86	-115.41	-116.94	-115.38	6.82					
6.83E+09	-114.44	-115.34	-114.90	-115.46	-116.84	-115.64	6.83					
6.84E+09	-114.77	-116.33	-115.42	-115.32	-116.08	-114.57	6.84					

4 – 8 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 28-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.		Comparison					
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan	
Frequency (Hz)		Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	minus the Ambient scan					
							Freq GHz					
							Enter Limit >					
								dBm	dBm	dBm	dBm	dBm
								3.00	3.00	3.00	3.00	3.00
								-10.70	-10.39	-11.37	-7.69	-9.62
6.85E+09	-101.87	-112.57	-112.25	-113.24	-109.55	-111.49	6.85					
6.86E+09	-114.72	-116.01	-114.71	-115.35	-116.19	-115.90	6.86					
6.87E+09	-115.16	-116.32	-115.34	-115.50	-115.66	-116.03	6.87					
6.88E+09	-114.13	-115.54	-114.91	-114.89	-116.78	-115.54	6.88					
6.89E+09	-114.81	-115.78	-115.57	-115.67	-115.60	-116.33	6.89					
6.90E+09	-115.46	-115.90	-116.02	-115.49	-117.18	-115.66	6.90					
6.91E+09	-115.33	-115.29	-115.26	-116.03	-117.23	-115.49	6.91					
6.92E+09	-115.10	-115.37	-115.07	-115.08	-116.69	-115.95	6.92					
6.93E+09	-114.71	-115.41	-115.01	-115.24	-117.02	-116.55	6.93					
6.94E+09	-115.98	-115.83	-115.73	-114.27	-115.86	-115.72	6.94					
6.95E+09	-115.11	-115.60	-115.33	-115.72	-116.47	-115.75	6.95					
6.96E+09	-113.88	-115.98	-115.42	-115.56	-116.35	-115.86	6.96					
6.97E+09	-114.65	-115.82	-114.69	-115.06	-116.45	-116.19	6.97					
6.98E+09	-114.85	-115.27	-115.44	-115.46	-116.57	-115.01	6.98					
6.99E+09	-114.44	-115.54	-115.78	-114.61	-116.30	-115.74	6.99					
7.00E+09	-114.65	-114.97	-114.82	-115.01	-116.89	-114.94	7.00					
7.01E+09	-113.64	-114.79	-114.74	-114.11	-115.75	-115.93	7.01					
7.02E+09	-114.92	-114.66	-114.24	-115.02	-115.96	-115.38	7.02					
7.03E+09	-114.20	-115.43	-114.63	-115.09	-115.80	-115.66	7.03					
7.04E+09	-114.47	-114.96	-114.34	-115.23	-115.91	-115.65	7.04					
7.05E+09	-114.47	-114.43	-114.61	-114.90	-115.00	-114.91	7.05					
7.06E+09	-115.02	-114.99	-114.13	-114.11	-116.19	-114.91	7.06					
7.07E+09	-114.44	-115.37	-114.78	-114.84	-116.11	-116.30	7.07					
7.08E+09	-115.22	-114.80	-115.40	-115.35	-115.88	-114.99	7.08					
7.09E+09	-114.35	-116.19	-114.80	-114.36	-116.34	-115.73	7.09					
7.10E+09	-115.11	-115.89	-114.82	-115.18	-116.18	-115.92	7.10					

4 – 8 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 28-Jan-2011

							Comparison				
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.		14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	minus the Ambient scan				
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Freq GHz	dBm	dBm	dBm	dBm
							Enter Limit >	3.00	3.00	3.00	3.00
7.11E+09	-114.67	-115.61	-114.96	-114.89	-116.11	-115.45	7.11				
7.12E+09	-115.03	-115.60	-114.79	-114.81	-116.78	-115.46	7.12				
7.13E+09	-115.07	-115.25	-114.95	-115.36	-116.48	-115.99	7.13				
7.14E+09	-114.33	-116.32	-115.23	-115.39	-116.03	-115.78	7.14				
7.15E+09	-114.54	-115.93	-115.12	-114.80	-116.08	-115.69	7.15				
7.16E+09	-114.44	-115.67	-115.52	-115.33	-115.21	-115.38	7.16				
7.17E+09	-114.42	-115.57	-115.18	-114.55	-115.86	-115.32	7.17				
7.18E+09	-113.69	-115.68	-114.83	-114.90	-115.48	-116.01	7.18				
7.19E+09	-113.78	-115.55	-114.50	-115.10	-115.89	-115.04	7.19				
7.20E+09	-114.05	-115.52	-114.88	-114.67	-116.45	-114.45	7.20				
7.21E+09	-115.01	-114.63	-114.41	-114.19	-116.01	-115.23	7.21				
7.22E+09	-114.37	-115.22	-114.46	-114.79	-116.18	-114.96	7.22				
7.23E+09	-113.75	-115.36	-115.15	-114.71	-115.92	-115.08	7.23				
7.24E+09	-112.99	-115.46	-114.08	-114.57	-115.89	-115.10	7.24				
7.25E+09	-113.85	-115.47	-114.14	-114.68	-115.73	-115.29	7.25				
7.26E+09	-113.91	-115.62	-115.23	-114.90	-116.20	-115.44	7.26				
7.27E+09	-114.88	-114.96	-114.27	-114.35	-115.42	-114.89	7.27				
7.28E+09	-115.05	-115.80	-114.96	-114.39	-115.66	-114.23	7.28				
7.29E+09	-114.10	-114.86	-114.10	-114.85	-116.20	-115.51	7.29				
7.30E+09	-114.29	-114.98	-115.35	-114.67	-115.74	-115.09	7.30				
7.31E+09	-113.07	-114.82	-114.14	-114.86	-115.48	-115.25	7.31				
7.32E+09	-115.13	-115.14	-113.99	-114.15	-115.75	-115.18	7.32				
7.33E+09	-114.37	-115.72	-115.46	-115.35	-116.46	-114.63	7.33				
7.34E+09	-114.33	-114.89	-114.71	-114.26	-115.39	-115.04	7.34				
7.35E+09	-114.26	-115.13	-114.53	-114.69	-116.25	-114.82	7.35				
7.36E+09	-114.39	-115.25	-114.83	-114.00	-116.07	-114.06	7.36				

4 – 8 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 28-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.		Comparison					
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	minus the Ambient scan					
							dBm	dBm	dBm	dBm	dBm	dBm
							3.00	3.00	3.00	3.00	3.00	3.00
7.37E+09	-113.57	-114.97	-114.81	-114.45	-116.11	-115.45	7.37					
7.38E+09	-114.39	-114.82	-114.22	-114.41	-115.46	-114.79	7.38					
7.39E+09	-113.33	-114.85	-113.95	-114.93	-116.20	-114.74	7.39					
7.40E+09	-113.43	-115.01	-114.98	-114.03	-115.32	-114.64	7.40					
7.41E+09	-113.84	-114.96	-114.04	-114.79	-115.36	-115.69	7.41					
7.42E+09	-114.33	-115.16	-114.58	-114.25	-115.85	-115.25	7.42					
7.43E+09	-114.81	-114.63	-114.35	-114.84	-115.90	-114.93	7.43					
7.44E+09	-113.26	-115.25	-114.47	-114.41	-115.42	-115.32	7.44					
7.45E+09	-113.48	-115.06	-114.30	-114.60	-115.28	-114.93	7.45					
7.46E+09	-113.54	-115.45	-114.04	-114.21	-116.01	-115.02	7.46					
7.47E+09	-114.89	-114.58	-113.71	-114.39	-115.46	-115.24	7.47					
7.48E+09	-114.24	-115.40	-113.72	-114.91	-115.98	-114.38	7.48					
7.49E+09	-114.11	-115.12	-114.62	-114.67	-116.03	-115.21	7.49					
7.50E+09	-114.07	-114.55	-114.74	-114.97	-115.98	-114.93	7.50					
7.51E+09	-114.84	-115.14	-114.94	-114.80	-116.39	-115.61	7.51					
7.52E+09	-114.06	-114.81	-115.75	-114.58	-116.49	-115.07	7.52					
7.53E+09	-114.29	-115.22	-114.11	-115.37	-117.00	-115.51	7.53					
7.54E+09	-114.24	-115.82	-114.78	-114.89	-116.20	-115.99	7.54					
7.55E+09	-114.21	-115.54	-114.62	-115.27	-115.47	-115.39	7.55					
7.56E+09	-113.73	-115.40	-114.68	-115.05	-116.50	-115.27	7.56					
7.57E+09	-114.98	-116.07	-114.78	-115.39	-115.98	-114.96	7.57					
7.58E+09	-114.49	-115.92	-114.16	-115.09	-115.97	-115.25	7.58					
7.59E+09	-114.84	-114.79	-115.00	-115.33	-116.52	-116.03	7.59					
7.60E+09	-114.42	-114.76	-114.90	-115.07	-115.83	-115.73	7.60					
7.61E+09	-114.86	-115.12	-115.06	-114.52	-115.65	-115.25	7.61					
7.62E+09	-113.49	-115.00	-114.81	-114.28	-115.59	-114.86	7.62					

4 – 8 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 28-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.		Comparison					
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq GHz	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	minus the Ambient scan				
								dBm	dBm	dBm	dBm	dBm
7.63E+09	-114.26	-115.04	-114.67	-114.92	-116.36	-114.82	7.63	3.00	3.00	3.00	3.00	3.00
7.64E+09	-113.46	-115.19	-114.50	-114.58	-116.26	-114.90	7.64					
7.65E+09	-114.03	-114.54	-114.48	-114.52	-115.00	-115.49	7.65					
7.66E+09	-114.32	-114.82	-114.76	-114.89	-115.69	-114.42	7.66					
7.67E+09	-114.48	-115.20	-114.11	-114.96	-115.79	-115.10	7.67					
7.68E+09	-113.89	-115.31	-115.23	-115.47	-115.89	-115.49	7.68					
7.69E+09	-114.31	-115.91	-114.94	-114.85	-116.20	-115.34	7.69					
7.70E+09	-114.18	-115.79	-114.35	-114.78	-115.71	-115.31	7.70					
7.71E+09	-114.65	-115.16	-114.82	-115.08	-116.36	-115.65	7.71					
7.72E+09	-114.66	-114.62	-114.97	-115.47	-116.30	-114.87	7.72					
7.73E+09	-113.97	-114.85	-115.41	-114.67	-117.20	-115.81	7.73				-3.23	
7.74E+09	-114.63	-115.12	-115.44	-115.51	-116.93	-115.83	7.74					
7.75E+09	-114.47	-115.33	-115.14	-115.15	-115.85	-116.04	7.75					
7.76E+09	-116.11	-115.04	-115.67	-115.13	-116.16	-116.12	7.76					
7.77E+09	-115.17	-115.93	-114.58	-114.55	-117.62	-115.75	7.77					
7.78E+09	-114.60	-115.48	-115.65	-114.96	-116.66	-114.56	7.78					
7.79E+09	-114.26	-115.24	-115.82	-115.41	-115.87	-115.98	7.79					
7.80E+09	-114.79	-116.29	-114.03	-114.85	-116.43	-115.36	7.80					
7.81E+09	-114.01	-114.74	-113.97	-114.80	-116.28	-115.20	7.81					
7.82E+09	-114.62	-114.74	-114.85	-115.14	-116.42	-116.11	7.82					
7.83E+09	-113.99	-115.00	-114.96	-114.99	-116.14	-114.85	7.83					
7.84E+09	-114.14	-115.59	-114.47	-114.57	-116.48	-115.54	7.84					
7.85E+09	-114.80	-115.21	-115.13	-114.81	-115.98	-114.89	7.85					
7.86E+09	-115.88	-115.65	-114.71	-115.62	-116.49	-115.63	7.86					
7.87E+09	-114.08	-115.32	-115.61	-115.18	-116.45	-116.60	7.87					
7.88E+09	-114.98	-115.04	-115.09	-116.22	-115.53	-116.01	7.88					

4 – 8 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 28-Jan-2011											
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.		Comparison				
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	minus the Ambient scan				
						Freq GHz	dBm	dBm	dBm	dBm	dBm
						Enter Limit >	3.00	3.00	3.00	3.00	3.00
7.89E+09	-114.96	-115.63	-115.27	-115.14	-116.68	-116.26	7.89				
7.90E+09	-114.04	-115.93	-115.23	-115.75	-116.49	-115.86	7.90				
7.91E+09	-114.81	-115.32	-115.18	-115.03	-116.16	-116.29	7.91				
7.92E+09	-114.65	-115.45	-115.61	-115.36	-116.74	-115.79	7.92				
7.93E+09	-114.48	-116.04	-115.45	-115.28	-117.06	-116.05	7.93				
7.94E+09	-115.03	-115.64	-114.94	-115.30	-116.88	-115.54	7.94				
7.95E+09	-114.43	-116.20	-113.95	-115.18	-116.22	-116.65	7.95				
7.96E+09	-115.36	-115.43	-114.67	-115.45	-116.56	-115.93	7.96				
7.97E+09	-114.73	-115.21	-114.47	-114.53	-116.10	-115.93	7.97				
7.98E+09	-114.62	-115.70	-114.56	-114.59	-116.20	-115.64	7.98				
7.99E+09	-113.27	-115.08	-114.75	-114.87	-116.10	-115.41	7.99				
8.00E+09	-114.31	-115.13	-115.42	-114.37	-117.64	-114.97	8.00			-3.33	
Sum of column							-26.14	-28.83	-31.21	-55.40	-28.60

Attenuation (dB)
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Center Frequency (Hz)
 6000000000

Date/Time
 1/6/2011 13:42

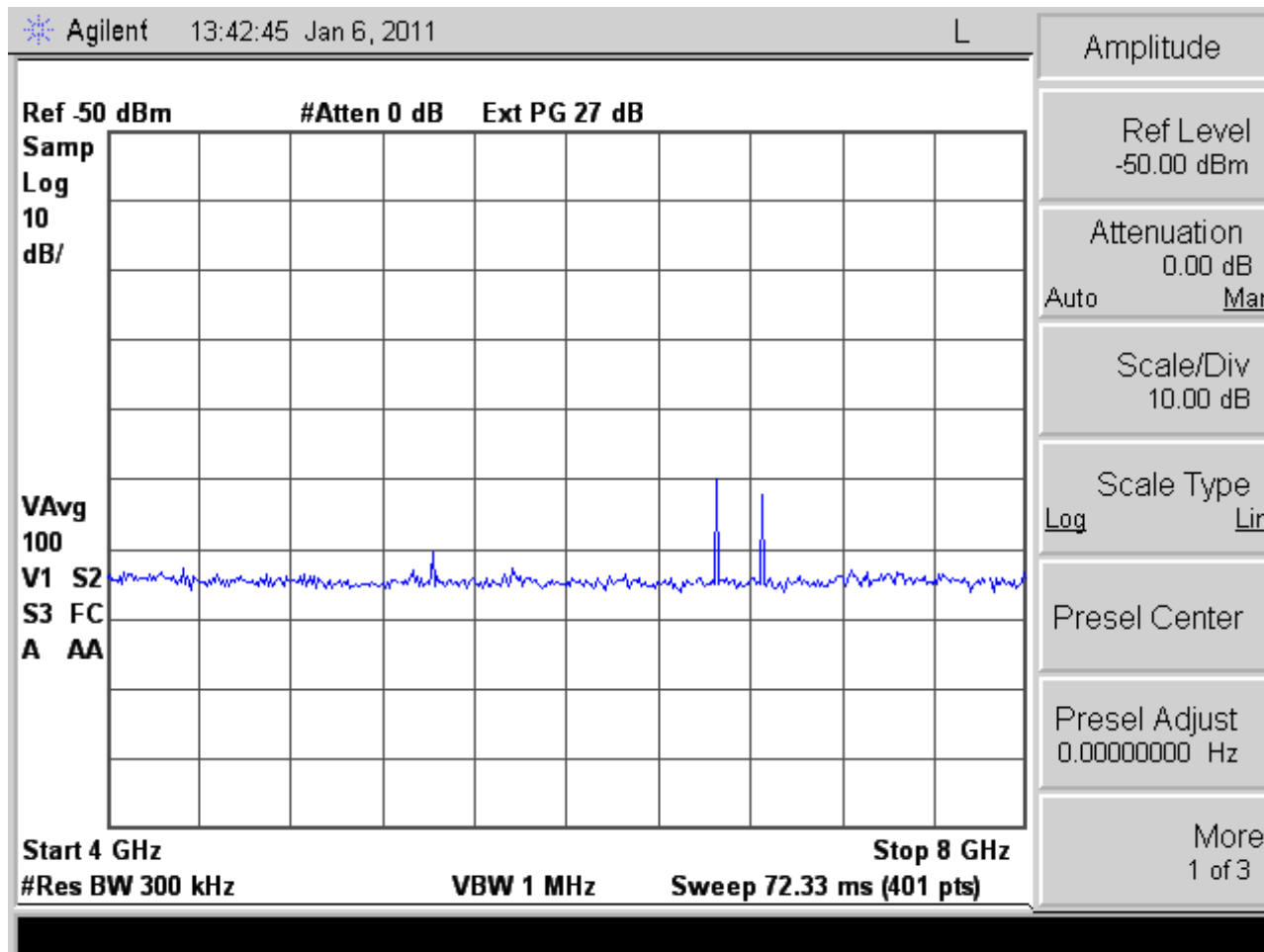
Instrument Model
 E4407B

Instrument Serial Number
 MY45116875

Reference Level (dBm)
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Resolution BW (Hz)
 300000

Scale Type
 LOG



Span Frequency (Hz)
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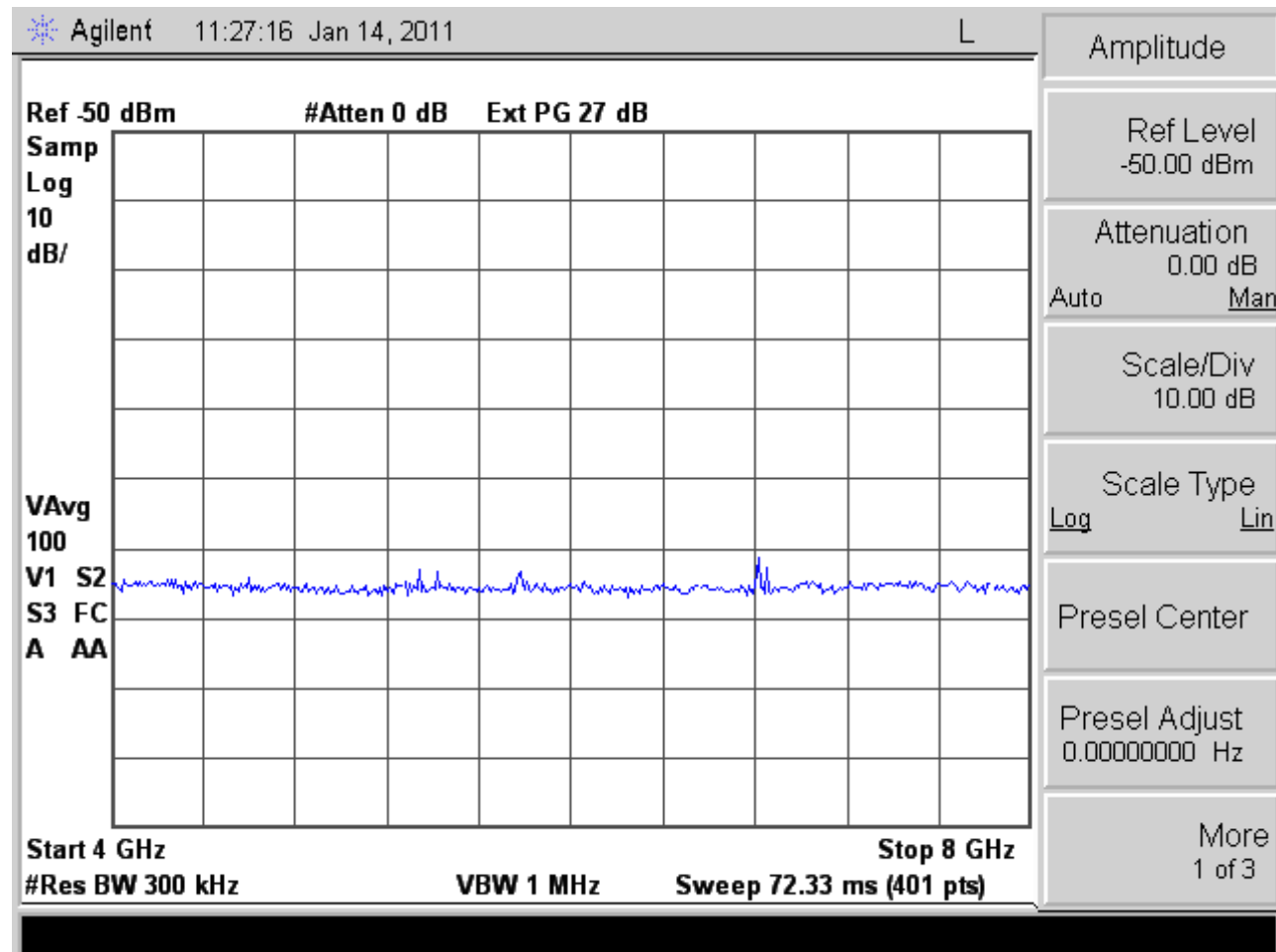
Start Frequency (Hz)
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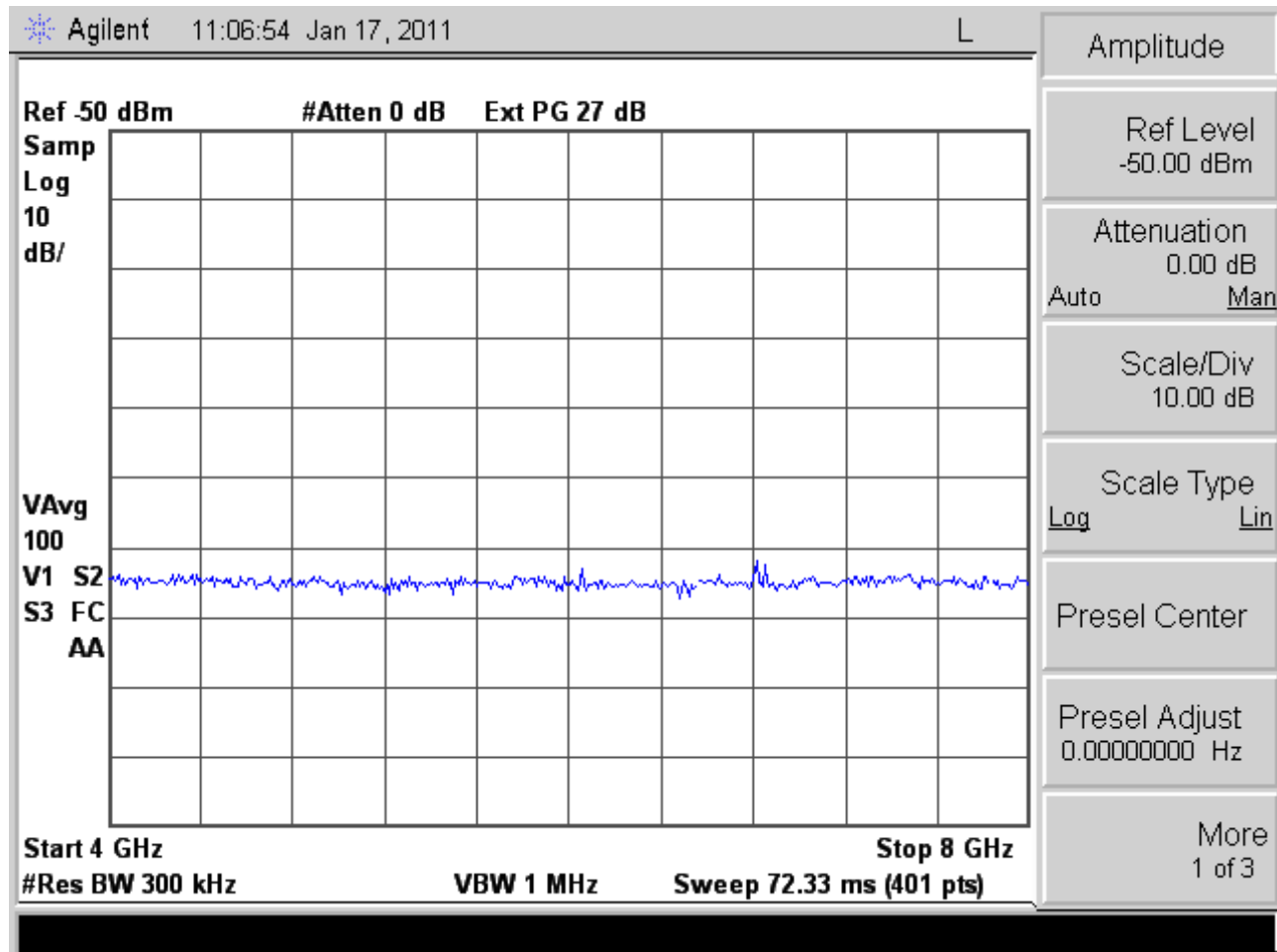
Stop Frequency (Hz)
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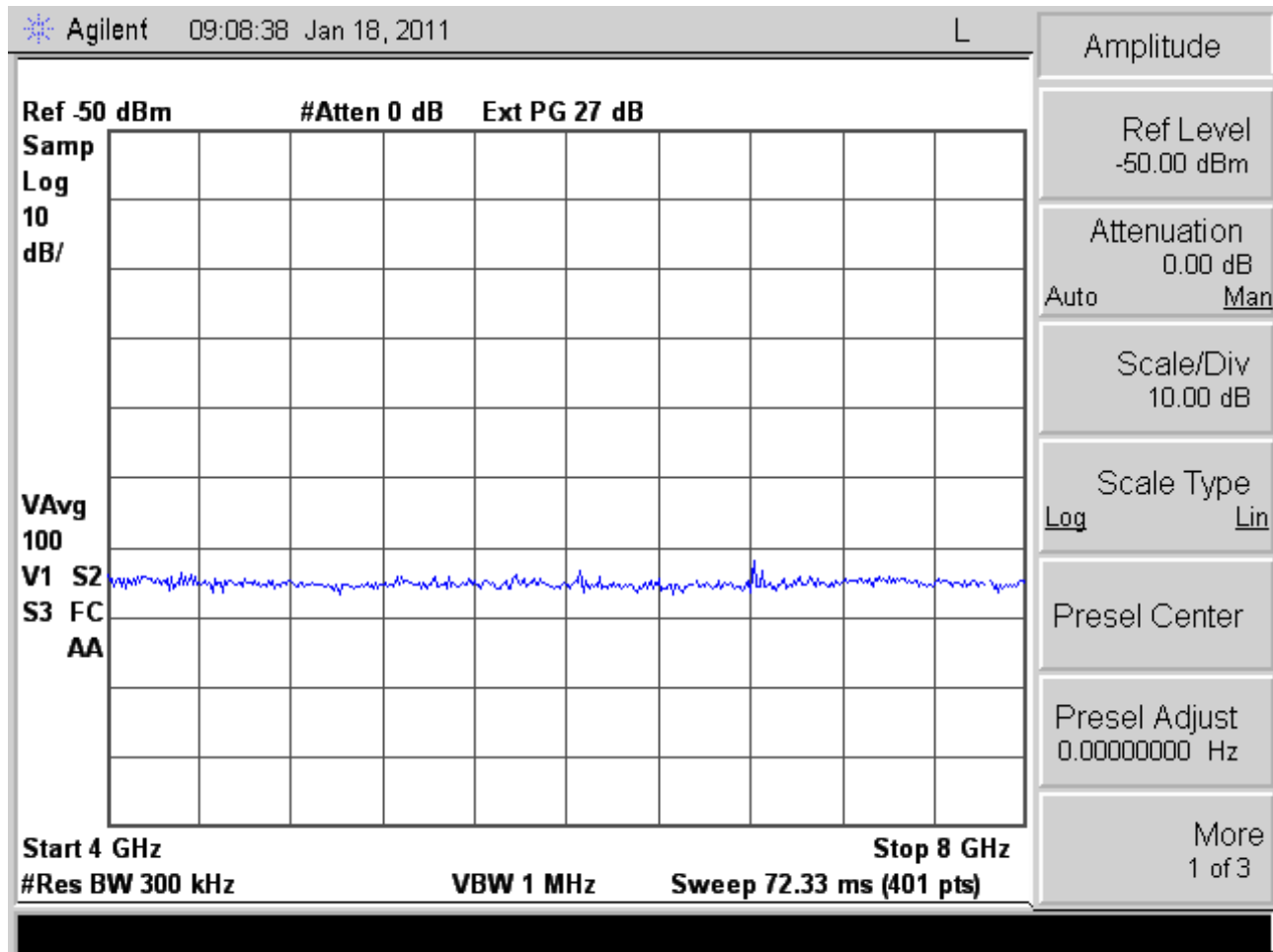
Sweep Number Of Points
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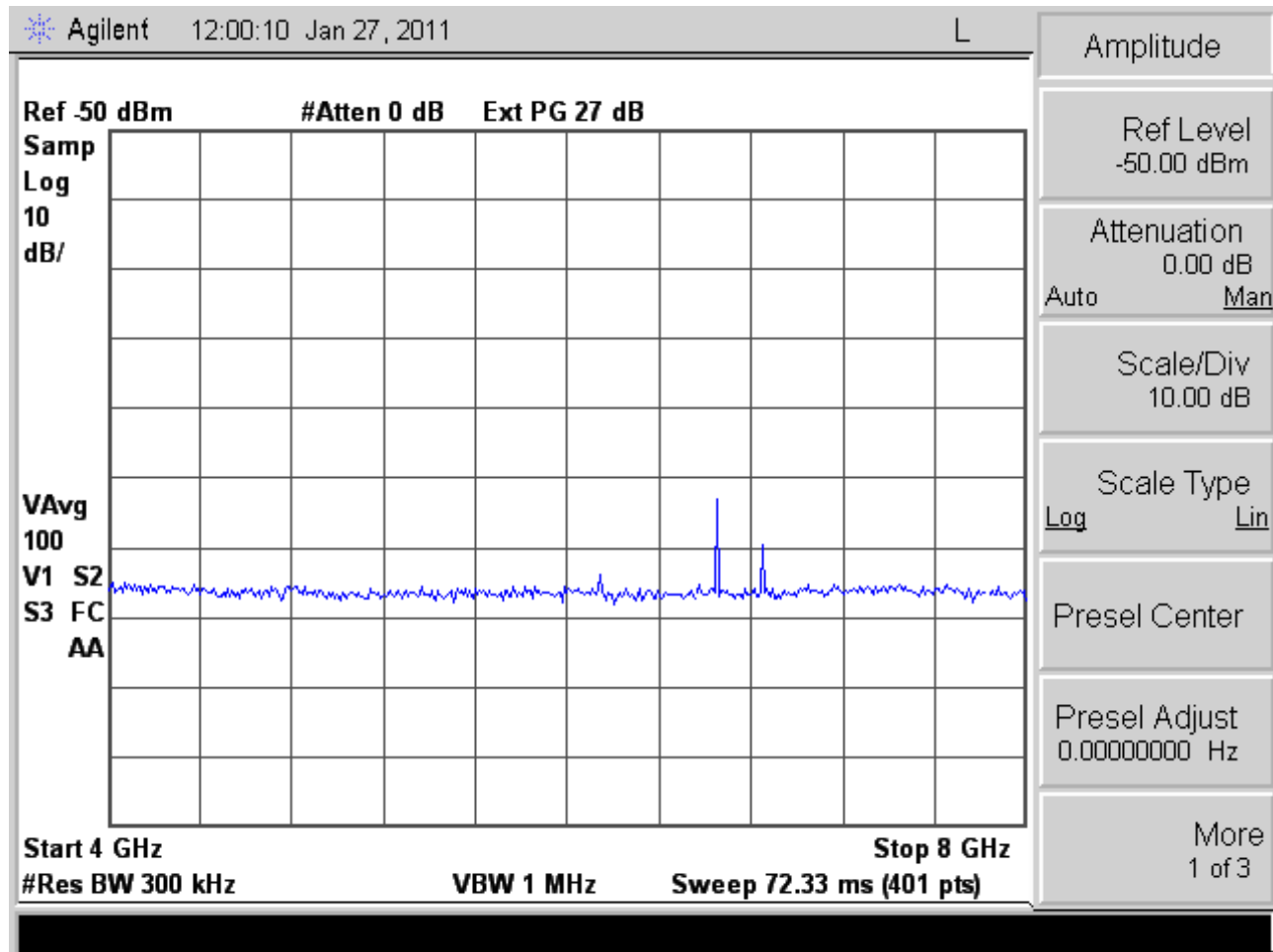
Sweep Time (seconds)
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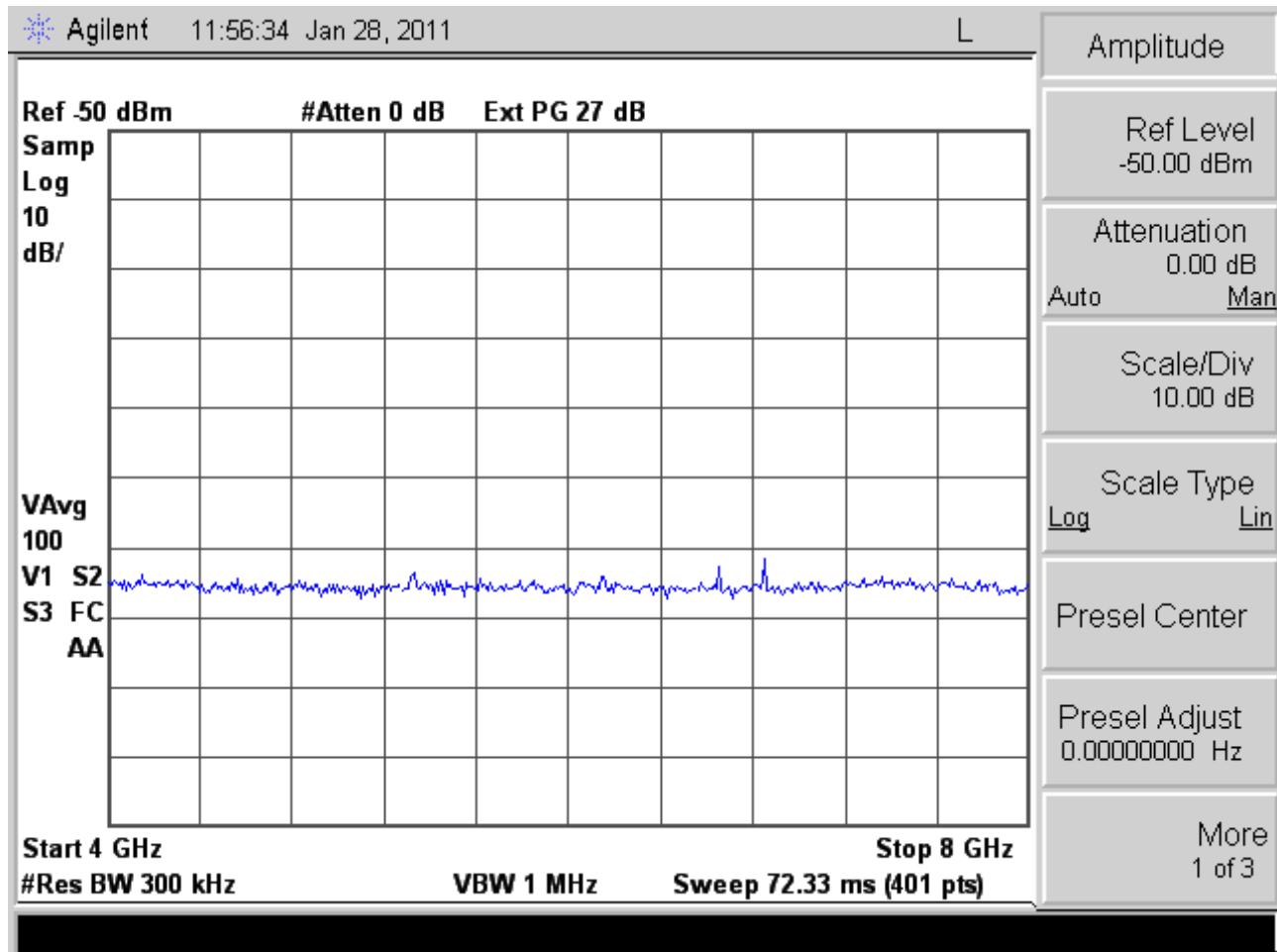
Video BW (Hz)
1000000











8 – 12 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 28-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.		Comparison					
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq GHz	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	minus the Ambient scan dBm	dBm	dBm	dBm	dBm
								3.00	3.00	3.00	3.00	3.00
8.00E+09	-114.58	-116.02	-114.22	-114.50	-116.15	-114.86	8.00					
8.01E+09	-114.24	-115.88	-114.94	-114.80	-116.50	-115.43	8.01					
8.02E+09	-114.22	-115.28	-114.59	-114.58	-117.76	-114.95	8.02				-3.54	
8.03E+09	-114.09	-114.93	-115.13	-115.27	-116.46	-115.18	8.03					
8.04E+09	-114.42	-115.23	-115.30	-114.99	-116.41	-114.95	8.04					
8.05E+09	-113.82	-114.99	-114.30	-114.04	-116.02	-115.88	8.05					
8.06E+09	-114.57	-114.56	-113.74	-114.01	-116.14	-114.30	8.06					
8.07E+09	-114.03	-115.03	-113.41	-114.26	-116.33	-114.80	8.07					
8.08E+09	-113.82	-114.49	-114.83	-114.05	-115.96	-115.01	8.08					
8.09E+09	-114.34	-115.11	-114.24	-114.47	-115.63	-114.72	8.09					
8.10E+09	-113.90	-115.55	-114.37	-114.63	-115.48	-113.97	8.10					
8.11E+09	-114.19	-114.86	-114.09	-114.76	-116.31	-114.96	8.11					
8.12E+09	-114.36	-115.16	-114.37	-114.73	-116.02	-115.07	8.12					
8.13E+09	-114.85	-115.26	-114.60	-114.63	-115.93	-114.75	8.13					
8.14E+09	-114.68	-115.72	-115.40	-115.80	-116.48	-115.19	8.14					
8.15E+09	-114.58	-115.81	-115.26	-115.37	-116.32	-115.69	8.15					
8.16E+09	-115.64	-116.01	-114.87	-115.43	-116.38	-115.46	8.16					
8.17E+09	-115.36	-116.73	-114.57	-115.39	-116.85	-116.25	8.17					
8.18E+09	-114.56	-116.06	-115.30	-114.66	-116.61	-116.22	8.18					
8.19E+09	-114.61	-115.30	-115.00	-114.66	-115.90	-115.24	8.19					
8.20E+09	-114.21	-115.44	-114.70	-114.57	-116.99	-116.16	8.20					
8.21E+09	-114.46	-115.28	-114.24	-114.70	-116.23	-115.21	8.21					
8.22E+09	-113.81	-115.79	-114.42	-114.94	-116.62	-115.93	8.22					
8.23E+09	-113.90	-115.15	-115.00	-114.41	-116.04	-114.80	8.23					
8.24E+09	-114.40	-114.59	-114.33	-114.55	-116.14	-115.12	8.24					

8 – 12 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 28-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.			Comparison				
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq GHz	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	minus the Ambient scan				
								dBm	dBm	dBm	dBm	dBm
8.25E+09	-114.46	-115.47	-114.47	-114.69	-116.33	-114.67	8.25	3.00	3.00	3.00	3.00	3.00
8.26E+09	-114.43	-114.73	-113.99	-114.76	-115.92	-115.50	8.26					
8.27E+09	-114.69	-115.20	-114.65	-113.95	-115.57	-115.78	8.27					
8.28E+09	-114.36	-115.34	-113.86	-114.70	-116.42	-114.73	8.28					
8.29E+09	-113.14	-114.76	-115.11	-114.53	-116.36	-115.65	8.29				-3.22	
8.30E+09	-113.56	-115.08	-114.13	-114.41	-115.68	-115.21	8.30					
8.31E+09	-114.40	-115.51	-114.84	-115.15	-116.15	-115.05	8.31					
8.32E+09	-113.74	-115.66	-114.17	-115.00	-116.26	-116.30	8.32					
8.33E+09	-114.18	-115.63	-114.66	-114.57	-115.56	-115.58	8.33					
8.34E+09	-114.33	-115.21	-114.47	-115.10	-115.48	-115.91	8.34					
8.35E+09	-114.56	-115.72	-115.33	-115.81	-116.71	-116.54	8.35					
8.36E+09	-114.65	-116.11	-114.79	-115.16	-117.14	-115.66	8.36					
8.37E+09	-114.82	-115.92	-114.72	-115.93	-115.93	-115.86	8.37					
8.38E+09	-114.58	-114.91	-114.77	-114.89	-116.23	-116.14	8.38					
8.39E+09	-114.20	-116.09	-114.14	-115.24	-116.13	-116.36	8.39					
8.40E+09	-113.46	-115.22	-114.29	-114.75	-116.15	-115.89	8.40					
8.41E+09	-113.59	-115.29	-114.09	-114.68	-116.13	-116.13	8.41					
8.42E+09	-113.34	-115.53	-114.66	-115.22	-115.70	-115.54	8.42					
8.43E+09	-114.06	-115.98	-114.26	-115.42	-115.54	-114.78	8.43					
8.44E+09	-114.84	-115.13	-114.48	-114.93	-115.81	-115.08	8.44					
8.45E+09	-114.31	-115.79	-115.15	-115.50	-115.88	-115.64	8.45					
8.46E+09	-114.36	-114.92	-114.95	-115.25	-116.10	-115.08	8.46					
8.47E+09	-114.44	-115.79	-114.56	-115.17	-116.05	-115.52	8.47					
8.48E+09	-114.61	-115.54	-115.26	-114.85	-115.95	-115.68	8.48					
8.49E+09	-113.87	-114.62	-114.45	-115.14	-116.25	-116.77	8.49					
8.50E+09	-115.14	-115.61	-115.44	-114.78	-116.21	-114.86	8.50					

8 – 12 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 28-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.			Comparison				
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq GHz	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	minus the Ambient scan				
								dBm	dBm	dBm	dBm	dBm
8.51E+09	-113.94	-115.10	-115.14	-114.74	-116.25	-115.62	8.51	3.00	3.00	3.00	3.00	3.00
8.52E+09	-114.07	-115.94	-114.51	-115.07	-116.05	-115.31	8.52					
8.53E+09	-113.58	-115.40	-115.18	-115.05	-116.11	-115.05	8.53					
8.54E+09	-113.87	-115.81	-114.72	-114.89	-116.94	-115.09	8.54				-3.07	
8.55E+09	-114.91	-116.05	-114.57	-114.39	-116.33	-116.77	8.55					
8.56E+09	-114.28	-115.17	-113.89	-114.34	-115.32	-115.56	8.56					
8.57E+09	-113.57	-114.73	-113.93	-114.29	-115.43	-113.88	8.57					
8.58E+09	-114.04	-114.53	-114.06	-113.92	-114.97	-114.37	8.58					
8.59E+09	-113.88	-115.32	-113.93	-114.19	-115.69	-115.19	8.59					
8.60E+09	-113.99	-115.15	-114.84	-114.49	-115.60	-114.92	8.60					
8.61E+09	-113.98	-115.23	-114.64	-114.77	-115.03	-114.81	8.61					
8.62E+09	-114.58	-114.74	-113.86	-114.30	-115.70	-114.85	8.62					
8.63E+09	-114.11	-115.20	-113.61	-114.44	-115.45	-115.01	8.63					
8.64E+09	-114.05	-115.46	-114.50	-114.75	-115.60	-115.68	8.64					
8.65E+09	-114.07	-114.75	-113.44	-115.34	-115.35	-114.74	8.65					
8.66E+09	-114.26	-115.22	-114.18	-114.68	-115.45	-114.86	8.66					
8.67E+09	-113.72	-115.28	-114.52	-114.64	-115.33	-115.09	8.67					
8.68E+09	-114.36	-115.83	-115.06	-115.29	-115.32	-114.69	8.68					
8.69E+09	-113.85	-115.58	-113.84	-114.67	-115.63	-115.70	8.69					
8.70E+09	-114.21	-115.05	-114.33	-114.93	-115.09	-115.18	8.70					
8.71E+09	-113.88	-115.53	-114.75	-114.13	-116.41	-114.91	8.71					
8.72E+09	-114.08	-114.98	-114.71	-115.12	-115.71	-114.78	8.72					
8.73E+09	-114.21	-115.25	-114.63	-114.65	-115.31	-114.47	8.73					
8.74E+09	-114.50	-115.44	-114.57	-115.05	-115.56	-115.96	8.74					
8.75E+09	-113.94	-115.14	-113.61	-115.60	-114.95	-114.82	8.75					
8.76E+09	-113.45	-114.44	-114.48	-113.86	-115.29	-114.85	8.76					

8 – 12 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 28-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.			Comparison				
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq GHz	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	minus the Ambient scan				
								dBm	dBm	dBm	dBm	dBm
8.77E+09	-113.42	-114.29	-114.80	-114.75	-114.62	-115.28	8.77	3.00	3.00	3.00	3.00	3.00
8.78E+09	-112.84	-114.85	-114.87	-114.21	-115.07	-114.92	8.78					
8.79E+09	-113.51	-114.63	-114.55	-114.57	-114.82	-115.22	8.79					
8.80E+09	-113.46	-114.85	-113.71	-115.10	-114.96	-115.33	8.80					
8.81E+09	-113.47	-115.30	-114.43	-114.39	-115.34	-115.61	8.81					
8.82E+09	-113.80	-115.43	-113.99	-114.88	-115.09	-115.82	8.82					
8.83E+09	-114.37	-114.99	-115.46	-114.37	-116.30	-115.82	8.83					
8.84E+09	-113.97	-115.76	-114.24	-115.08	-116.08	-114.92	8.84					
8.85E+09	-114.43	-114.85	-115.83	-115.28	-115.99	-115.47	8.85					
8.86E+09	-114.14	-115.72	-115.09	-114.96	-116.08	-115.92	8.86					
8.87E+09	-114.94	-115.74	-114.79	-115.05	-116.24	-115.62	8.87					
8.88E+09	-114.05	-115.54	-115.25	-114.33	-115.69	-115.08	8.88					
8.89E+09	-113.70	-115.57	-114.49	-114.80	-115.96	-116.07	8.89					
8.90E+09	-113.69	-115.08	-115.26	-115.75	-116.03	-115.50	8.90					
8.91E+09	-114.64	-115.27	-114.24	-114.74	-115.70	-115.24	8.91					
8.92E+09	-114.00	-114.64	-114.86	-114.97	-115.99	-114.73	8.92					
8.93E+09	-114.63	-114.35	-114.00	-114.58	-115.36	-114.98	8.93					
8.94E+09	-113.41	-113.77	-114.16	-114.96	-115.88	-114.59	8.94					
8.95E+09	-113.59	-114.16	-114.43	-115.14	-115.27	-114.38	8.95					
8.96E+09	-113.82	-114.51	-113.88	-114.59	-114.71	-115.24	8.96					
8.97E+09	-113.65	-114.74	-113.44	-114.13	-115.50	-114.67	8.97					
8.98E+09	-113.96	-114.01	-113.97	-114.15	-115.45	-115.09	8.98					
8.99E+09	-112.94	-114.83	-113.68	-114.32	-115.12	-114.49	8.99					
9.00E+09	-113.39	-114.27	-114.36	-114.03	-115.52	-114.14	9.00					
9.01E+09	-113.41	-115.30	-114.77	-114.90	-114.96	-114.63	9.01					
9.02E+09	-113.63	-114.12	-114.16	-115.00	-115.60	-114.60	9.02					

8 – 12 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 28-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.		Comparison					
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq GHz	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	minus the Ambient scan				
								dBm	dBm	dBm	dBm	dBm
9.03E+09	-113.83	-114.27	-113.53	-113.98	-115.53	-114.44	9.03	3.00	3.00	3.00	3.00	3.00
9.04E+09	-113.46	-114.56	-113.66	-114.17	-115.84	-114.09	9.04					
9.05E+09	-113.23	-115.21	-114.23	-114.47	-114.73	-114.67	9.05					
9.06E+09	-113.95	-114.61	-113.79	-114.03	-115.35	-114.56	9.06					
9.07E+09	-114.38	-115.30	-114.42	-114.54	-115.56	-115.41	9.07					
9.08E+09	-113.42	-114.70	-114.72	-114.23	-115.65	-115.23	9.08					
9.09E+09	-114.22	-115.05	-114.32	-115.27	-116.00	-114.73	9.09					
9.10E+09	-113.83	-114.95	-114.21	-114.89	-116.01	-115.22	9.10					
9.11E+09	-114.38	-115.02	-115.04	-114.85	-114.86	-115.53	9.11					
9.12E+09	-114.34	-115.12	-114.63	-114.71	-115.59	-115.69	9.12					
9.13E+09	-114.23	-114.90	-114.09	-115.57	-115.73	-115.25	9.13					
9.14E+09	-114.06	-115.24	-115.32	-114.72	-115.94	-115.31	9.14					
9.15E+09	-114.17	-115.26	-114.81	-114.60	-115.54	-114.68	9.15					
9.16E+09	-113.63	-114.71	-114.40	-114.64	-115.61	-115.06	9.16					
9.17E+09	-114.03	-114.91	-114.51	-114.91	-114.84	-115.32	9.17					
9.18E+09	-114.12	-114.57	-114.46	-115.11	-115.49	-114.45	9.18					
9.19E+09	-113.54	-115.43	-114.56	-114.54	-115.92	-114.71	9.19					
9.20E+09	-113.40	-115.49	-114.57	-114.88	-116.12	-116.04	9.20					
9.21E+09	-114.70	-115.47	-115.02	-114.28	-115.47	-116.15	9.21					
9.22E+09	-114.50	-115.41	-114.70	-115.13	-115.57	-114.53	9.22					
9.23E+09	-114.31	-115.35	-114.47	-115.12	-115.86	-114.42	9.23					
9.24E+09	-114.63	-114.60	-114.38	-115.01	-116.26	-115.66	9.24					
9.25E+09	-114.61	-115.75	-114.10	-115.09	-116.26	-115.06	9.25					
9.26E+09	-114.73	-115.68	-114.37	-114.59	-116.21	-115.43	9.26					
9.27E+09	-114.50	-115.79	-114.87	-114.32	-115.52	-115.36	9.27					
9.28E+09	-114.34	-114.60	-114.36	-114.95	-115.66	-115.40	9.28					

8 – 12 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 28-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.		Comparison					
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq GHz	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	minus the Ambient scan				
								dBm	dBm	dBm	dBm	dBm
9.29E+09	-115.18	-116.26	-115.23	-115.34	-115.77	-115.73	9.29	3.00	3.00	3.00	3.00	3.00
9.30E+09	-114.80	-115.26	-114.82	-115.37	-116.32	-115.56	9.30					
9.31E+09	-114.32	-115.31	-115.17	-115.04	-116.71	-116.23	9.31					
9.32E+09	-114.25	-115.98	-115.29	-115.15	-116.07	-115.44	9.32					
9.33E+09	-114.31	-115.35	-114.22	-114.89	-115.88	-115.74	9.33					
9.34E+09	-114.78	-115.60	-114.89	-114.51	-116.18	-115.82	9.34					
9.35E+09	-114.36	-115.17	-114.35	-114.76	-116.07	-114.78	9.35					
9.36E+09	-114.53	-115.21	-113.83	-114.39	-116.01	-115.25	9.36					
9.37E+09	-114.02	-114.91	-114.33	-114.34	-116.40	-115.35	9.37					
9.38E+09	-114.49	-115.22	-115.06	-113.95	-115.57	-115.02	9.38					
9.39E+09	-113.74	-115.57	-115.87	-114.61	-115.97	-115.23	9.39					
9.40E+09	-113.98	-114.95	-114.34	-114.68	-115.48	-115.06	9.40					
9.41E+09	-114.43	-114.67	-114.42	-115.13	-115.86	-115.10	9.41					
9.42E+09	-113.55	-114.32	-114.79	-114.92	-115.90	-115.74	9.42					
9.43E+09	-113.80	-114.08	-113.96	-114.92	-115.80	-114.06	9.43					
9.44E+09	-113.89	-115.07	-114.15	-114.30	-115.64	-116.23	9.44					
9.45E+09	-113.97	-115.16	-114.68	-114.99	-115.64	-115.21	9.45					
9.46E+09	-114.70	-114.98	-114.63	-114.81	-116.07	-115.15	9.46					
9.47E+09	-114.03	-115.40	-114.39	-114.95	-115.74	-114.95	9.47					
9.48E+09	-113.32	-115.51	-114.58	-114.70	-115.76	-114.70	9.48					
9.49E+09	-114.46	-115.12	-113.84	-113.82	-116.25	-114.86	9.49					
9.50E+09	-113.99	-115.54	-114.66	-114.52	-115.92	-114.74	9.50					
9.51E+09	-114.05	-114.75	-114.39	-114.39	-115.29	-114.81	9.51					
9.52E+09	-114.20	-115.10	-114.14	-114.64	-115.89	-115.33	9.52					
9.53E+09	-114.08	-114.84	-113.96	-114.47	-115.61	-115.26	9.53					
9.54E+09	-113.88	-115.44	-113.98	-114.79	-115.85	-115.20	9.54					

8 – 12 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 28-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.		Comparison					
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq GHz	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	minus the Ambient scan dBm	dBm	dBm	dBm	dBm
								3.00	3.00	3.00	3.00	3.00
9.55E+09	-114.31	-115.71	-114.97	-115.37	-115.97	-115.47	9.55					
9.56E+09	-114.36	-114.91	-113.93	-115.03	-115.71	-115.53	9.56					
9.57E+09	-114.17	-115.00	-114.02	-114.67	-115.01	-115.11	9.57					
9.58E+09	-114.00	-114.60	-113.87	-114.58	-115.11	-115.58	9.58					
9.59E+09	-114.59	-115.01	-114.18	-115.13	-115.18	-115.29	9.59					
9.60E+09	-113.73	-114.84	-114.64	-114.61	-115.89	-115.39	9.60					
9.61E+09	-114.00	-115.81	-114.92	-114.79	-115.56	-115.87	9.61					
9.62E+09	-114.06	-115.55	-114.17	-114.03	-114.85	-115.01	9.62					
9.63E+09	-113.61	-114.48	-114.28	-114.81	-115.51	-114.65	9.63					
9.64E+09	-114.50	-114.11	-113.79	-114.67	-115.33	-114.27	9.64					
9.65E+09	-114.28	-114.62	-114.87	-114.45	-115.54	-114.66	9.65					
9.66E+09	-113.83	-114.71	-113.62	-114.05	-115.62	-115.17	9.66					
9.67E+09	-114.42	-114.85	-114.53	-115.21	-115.72	-115.15	9.67					
9.68E+09	-113.30	-114.44	-114.52	-115.21	-116.08	-115.02	9.68					
9.69E+09	-114.26	-115.31	-114.71	-114.44	-116.27	-115.24	9.69					
9.70E+09	-114.52	-115.75	-114.65	-114.78	-115.84	-115.07	9.70					
9.71E+09	-114.34	-114.80	-114.23	-114.58	-116.12	-115.57	9.71					
9.72E+09	-114.88	-115.33	-114.84	-114.27	-115.82	-115.40	9.72					
9.73E+09	-113.84	-115.38	-115.56	-114.67	-116.37	-114.82	9.73					
9.74E+09	-114.38	-115.46	-114.51	-114.48	-116.00	-114.62	9.74					
9.75E+09	-114.19	-115.07	-114.26	-114.68	-116.34	-115.64	9.75					
9.76E+09	-113.73	-115.12	-114.72	-114.41	-115.80	-115.90	9.76					
9.77E+09	-113.95	-115.42	-115.21	-115.17	-115.56	-116.27	9.77					
9.78E+09	-114.43	-115.48	-114.36	-115.07	-115.63	-115.49	9.78					
9.79E+09	-114.04	-115.54	-114.10	-114.75	-115.70	-114.75	9.79					
9.80E+09	-114.62	-114.70	-113.64	-114.78	-115.65	-114.75	9.80					

8 – 12 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 28-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.			Comparison				
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq GHz	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	minus the Ambient scan				
								dBm	dBm	dBm	dBm	dBm
9.81E+09	-114.65	-115.75	-114.93	-114.90	-116.16	-114.75	9.81	3.00	3.00	3.00	3.00	3.00
9.82E+09	-114.98	-115.30	-114.66	-114.40	-116.16	-115.98	9.82					
9.83E+09	-114.18	-115.43	-114.26	-115.08	-116.34	-115.18	9.83					
9.84E+09	-114.37	-114.72	-114.36	-114.97	-115.86	-115.13	9.84					
9.85E+09	-114.28	-115.19	-114.70	-114.62	-115.77	-115.65	9.85					
9.86E+09	-114.36	-114.75	-114.39	-114.05	-116.35	-114.80	9.86					
9.87E+09	-114.36	-115.00	-114.35	-113.59	-115.99	-114.42	9.87					
9.88E+09	-113.61	-115.70	-113.93	-114.77	-115.90	-115.90	9.88					
9.89E+09	-114.39	-115.31	-114.38	-114.61	-116.44	-114.85	9.89					
9.90E+09	-114.50	-114.56	-114.47	-113.79	-115.68	-114.38	9.90					
9.91E+09	-114.36	-114.92	-114.50	-114.43	-115.15	-115.01	9.91					
9.92E+09	-113.63	-115.18	-114.61	-114.60	-115.75	-115.11	9.92					
9.93E+09	-113.42	-115.00	-113.84	-114.60	-116.15	-115.69	9.93					
9.94E+09	-114.73	-115.07	-114.17	-115.47	-116.04	-115.17	9.94					
9.95E+09	-113.89	-115.48	-114.79	-115.01	-115.13	-114.72	9.95					
9.96E+09	-114.15	-115.38	-114.48	-114.37	-116.25	-115.72	9.96					
9.97E+09	-113.83	-115.52	-114.32	-114.32	-116.24	-114.34	9.97					
9.98E+09	-113.85	-115.30	-114.20	-114.89	-115.68	-115.37	9.98					
9.99E+09	-113.76	-114.57	-115.02	-114.64	-115.98	-114.84	9.99					
1.00E+10	-113.73	-114.81	-113.62	-114.67	-115.44	-114.63	10.00					
1.00E+10	-113.62	-115.26	-114.71	-114.89	-115.60	-115.10	10.01					
1.00E+10	-113.95	-114.66	-114.12	-114.58	-115.95	-114.95	10.02					
1.00E+10	-113.78	-114.01	-114.84	-114.60	-115.62	-114.42	10.03					
1.00E+10	-114.36	-114.92	-114.06	-114.30	-115.12	-115.11	10.04					
1.01E+10	-114.24	-115.18	-114.33	-114.71	-115.61	-114.59	10.05					
1.01E+10	-114.16	-114.79	-115.22	-114.56	-115.28	-113.97	10.06					

8 – 12 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 28-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.		Comparison					
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq GHz	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	minus the Ambient scan				
								dBm	dBm	dBm	dBm	dBm
1.01E+10	-113.98	-114.00	-114.31	-114.35	-115.47	-114.90	10.07	3.00	3.00	3.00	3.00	3.00
1.01E+10	-113.57	-114.29	-114.09	-114.27	-114.82	-114.85	10.08					
1.01E+10	-113.51	-114.43	-114.13	-114.55	-115.26	-115.93	10.09					
1.01E+10	-113.19	-114.28	-113.62	-114.48	-115.34	-113.93	10.10					
1.01E+10	-114.02	-114.72	-113.54	-113.90	-114.71	-113.93	10.11					
1.01E+10	-112.94	-114.60	-113.64	-113.56	-115.25	-114.30	10.12					
1.01E+10	-113.98	-114.38	-114.57	-114.64	-114.76	-114.33	10.13					
1.01E+10	-113.28	-114.15	-114.39	-114.41	-115.02	-114.91	10.14					
1.02E+10	-113.55	-113.88	-113.47	-114.90	-115.06	-114.45	10.15					
1.02E+10	-113.96	-114.75	-114.81	-114.24	-115.54	-114.17	10.16					
1.02E+10	-113.56	-115.09	-113.56	-114.69	-115.74	-114.43	10.17					
1.02E+10	-113.60	-114.83	-113.61	-114.74	-115.26	-114.57	10.18					
1.02E+10	-113.55	-114.46	-114.10	-114.82	-116.00	-114.26	10.19					
1.02E+10	-114.04	-114.87	-113.61	-114.16	-115.20	-114.04	10.20					
1.02E+10	-113.87	-114.64	-114.45	-114.51	-115.75	-115.86	10.21					
1.02E+10	-114.27	-115.29	-114.31	-114.59	-115.57	-114.66	10.22					
1.02E+10	-114.24	-114.84	-115.16	-115.22	-115.77	-115.63	10.23					
1.02E+10	-114.20	-115.01	-114.69	-115.06	-115.86	-115.77	10.24					
1.03E+10	-113.76	-115.14	-114.22	-115.22	-116.15	-114.87	10.25					
1.03E+10	-113.79	-114.10	-114.43	-115.51	-115.86	-114.64	10.26					
1.03E+10	-113.75	-115.12	-114.07	-114.38	-115.93	-114.74	10.27					
1.03E+10	-114.47	-114.79	-114.47	-115.13	-115.53	-115.32	10.28					
1.03E+10	-113.95	-114.52	-113.50	-114.94	-115.75	-115.52	10.29					
1.03E+10	-113.88	-115.22	-114.19	-115.64	-115.76	-115.44	10.30					
1.03E+10	-114.10	-115.24	-114.27	-114.37	-116.26	-115.75	10.31					
1.03E+10	-114.37	-115.03	-114.10	-114.11	-115.09	-114.87	10.32					

8 – 12 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 28-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.			Comparison				
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq GHz	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	minus the Ambient scan				
								dBm	dBm	dBm	dBm	dBm
1.03E+10	-114.00	-115.51	-114.18	-114.52	-115.64	-114.93	10.33	3.00	3.00	3.00	3.00	3.00
1.03E+10	-114.04	-115.43	-113.74	-114.37	-115.94	-114.97	10.34					
1.04E+10	-114.10	-114.96	-113.14	-114.76	-115.42	-115.15	10.35					
1.04E+10	-113.40	-115.13	-114.46	-114.34	-115.76	-114.58	10.36					
1.04E+10	-114.04	-115.05	-114.17	-114.58	-115.13	-114.80	10.37					
1.04E+10	-113.87	-114.77	-114.12	-114.16	-115.73	-115.02	10.38					
1.04E+10	-114.22	-115.04	-114.32	-114.85	-115.70	-114.33	10.39					
1.04E+10	-113.90	-115.06	-114.47	-114.67	-116.03	-114.64	10.40					
1.04E+10	-113.81	-114.84	-113.83	-114.56	-115.89	-114.85	10.41					
1.04E+10	-113.69	-113.89	-114.17	-114.55	-115.45	-115.44	10.42					
1.04E+10	-113.77	-114.69	-114.17	-114.04	-116.30	-114.71	10.43					
1.04E+10	-113.54	-114.79	-113.78	-114.19	-115.83	-114.62	10.44					
1.05E+10	-113.32	-114.84	-114.03	-114.27	-115.37	-113.92	10.45					
1.05E+10	-113.54	-115.28	-113.83	-114.99	-116.25	-114.79	10.46					
1.05E+10	-112.99	-114.45	-114.12	-113.73	-115.45	-114.86	10.47					
1.05E+10	-113.92	-114.18	-114.00	-114.28	-114.76	-115.44	10.48					
1.05E+10	-113.42	-114.58	-113.52	-114.28	-114.96	-114.00	10.49					
1.05E+10	-113.23	-114.91	-113.73	-114.32	-115.16	-114.82	10.50					
1.05E+10	-115.29	-115.50	-114.79	-114.44	-116.46	-115.28	10.51					
1.05E+10	-114.08	-115.29	-114.19	-114.76	-115.58	-115.11	10.52					
1.05E+10	-114.27	-115.15	-114.37	-114.37	-116.89	-115.26	10.53					
1.05E+10	-114.31	-115.37	-114.86	-114.26	-116.74	-114.81	10.54					
1.06E+10	-114.52	-115.38	-114.78	-114.95	-116.17	-116.37	10.55					
1.06E+10	-114.53	-115.24	-113.92	-114.66	-115.98	-115.08	10.56					
1.06E+10	-114.10	-115.22	-113.75	-115.25	-116.13	-115.17	10.57					
1.06E+10	-114.28	-114.99	-113.73	-114.80	-115.29	-115.00	10.58					

8 – 12 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 28-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.		Comparison					
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq GHz	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	minus the Ambient scan				
								dBm	dBm	dBm	dBm	dBm
1.06E+10	-113.54	-115.77	-114.91	-114.17	-115.69	-114.46	10.59	3.00	3.00	3.00	3.00	3.00
1.06E+10	-114.90	-115.61	-114.53	-114.81	-115.48	-114.65	10.60					
1.06E+10	-114.35	-115.48	-114.91	-114.94	-115.71	-115.20	10.61					
1.06E+10	-113.96	-115.36	-115.52	-114.69	-115.52	-114.46	10.62					
1.06E+10	-113.35	-114.92	-115.33	-114.72	-115.89	-115.74	10.63					
1.06E+10	-114.71	-115.78	-115.10	-115.24	-116.16	-116.12	10.64					
1.07E+10	-114.96	-115.46	-114.57	-115.64	-116.68	-115.99	10.65					
1.07E+10	-114.80	-114.96	-115.06	-115.23	-116.64	-115.49	10.66					
1.07E+10	-113.76	-115.83	-114.41	-114.96	-115.55	-115.01	10.67					
1.07E+10	-114.38	-115.93	-115.08	-114.78	-115.39	-115.23	10.68					
1.07E+10	-114.02	-115.59	-114.69	-114.52	-115.48	-116.39	10.69					
1.07E+10	-114.11	-115.43	-114.69	-114.25	-115.25	-115.21	10.70					
1.07E+10	-113.52	-114.40	-113.82	-114.69	-115.67	-115.05	10.71					
1.07E+10	-114.27	-114.18	-113.61	-114.52	-115.51	-114.89	10.72					
1.07E+10	-113.83	-115.37	-113.69	-113.81	-115.75	-116.42	10.73					
1.07E+10	-114.15	-113.97	-114.00	-114.19	-115.81	-114.82	10.74					
1.08E+10	-113.58	-115.33	-113.82	-114.11	-115.11	-115.00	10.75					
1.08E+10	-113.35	-115.18	-114.28	-114.13	-115.69	-115.09	10.76					
1.08E+10	-114.00	-115.46	-113.91	-115.27	-115.95	-114.92	10.77					
1.08E+10	-113.62	-114.60	-114.54	-115.24	-115.43	-115.23	10.78					
1.08E+10	-113.72	-114.93	-113.82	-114.70	-115.94	-114.83	10.79					
1.08E+10	-113.74	-115.13	-113.86	-114.62	-115.44	-116.05	10.80					
1.08E+10	-113.51	-115.05	-114.01	-114.65	-115.58	-115.07	10.81					
1.08E+10	-113.79	-114.69	-114.01	-114.39	-114.80	-115.24	10.82					
1.08E+10	-113.54	-114.77	-114.01	-114.29	-115.07	-114.33	10.83					
1.08E+10	-113.33	-114.62	-113.94	-114.06	-114.96	-114.19	10.84					

8 – 12 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 28-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.			Comparison				
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq GHz	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	minus the Ambient scan				
								dBm	dBm	dBm	dBm	dBm
1.09E+10	-112.86	-114.28	-114.72	-114.58	-115.32	-114.21	10.85	3.00	3.00	3.00	3.00	3.00
1.09E+10	-114.24	-114.54	-114.21	-113.89	-115.42	-115.46	10.86					
1.09E+10	-113.81	-115.33	-113.91	-114.66	-115.90	-114.63	10.87					
1.09E+10	-114.19	-114.87	-113.74	-114.47	-115.22	-115.08	10.88					
1.09E+10	-114.20	-114.87	-114.39	-113.81	-115.95	-115.20	10.89					
1.09E+10	-114.11	-115.00	-114.23	-114.74	-115.90	-115.59	10.90					
1.09E+10	-114.45	-115.08	-115.06	-114.58	-115.87	-115.24	10.91					
1.09E+10	-114.69	-114.72	-113.95	-114.80	-115.95	-114.88	10.92					
1.09E+10	-114.28	-114.75	-114.36	-114.68	-116.20	-114.04	10.93					
1.09E+10	-113.73	-114.94	-114.62	-114.94	-115.33	-114.70	10.94					
1.10E+10	-114.41	-114.35	-113.79	-114.80	-115.42	-114.78	10.95					
1.10E+10	-113.43	-115.29	-114.20	-114.30	-116.09	-115.14	10.96					
1.10E+10	-114.30	-115.12	-113.98	-114.40	-115.24	-114.93	10.97					
1.10E+10	-114.20	-114.93	-113.45	-114.23	-115.71	-114.63	10.98					
1.10E+10	-114.64	-114.64	-113.69	-114.40	-115.96	-115.56	10.99					
1.10E+10	-114.18	-115.68	-114.41	-114.62	-115.86	-114.91	11.00					
1.10E+10	-114.25	-115.00	-114.32	-114.61	-115.93	-115.82	11.01					
1.10E+10	-114.06	-115.37	-115.15	-113.95	-115.47	-114.60	11.02					
1.10E+10	-113.77	-114.68	-114.97	-115.15	-115.86	-115.24	11.03					
1.10E+10	-114.03	-115.15	-114.96	-115.28	-115.83	-114.76	11.04					
1.11E+10	-114.41	-114.87	-113.89	-114.40	-115.24	-115.43	11.05					
1.11E+10	-113.47	-115.50	-114.61	-115.21	-114.90	-115.66	11.06					
1.11E+10	-113.91	-115.54	-114.63	-114.78	-116.16	-115.12	11.07					
1.11E+10	-114.68	-115.14	-114.78	-114.42	-115.57	-114.83	11.08					
1.11E+10	-114.31	-115.40	-113.62	-115.24	-116.67	-115.28	11.09					
1.11E+10	-114.29	-115.56	-114.60	-114.38	-115.85	-115.35	11.10					

8 – 12 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 28-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.			Comparison				
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq GHz	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	minus the Ambient scan				
								dBm	dBm	dBm	dBm	dBm
1.11E+10	-114.06	-115.63	-114.71	-115.28	-115.34	-115.69	11.11	3.00	3.00	3.00	3.00	3.00
1.11E+10	-114.15	-115.46	-114.73	-114.89	-116.72	-115.68	11.12					
1.11E+10	-114.33	-115.20	-114.50	-114.56	-116.05	-115.59	11.13					
1.11E+10	-114.74	-115.59	-114.23	-115.22	-116.32	-115.30	11.14					
1.12E+10	-114.53	-115.98	-113.98	-115.71	-115.53	-115.27	11.15					
1.12E+10	-114.05	-115.17	-114.38	-114.46	-116.01	-116.02	11.16					
1.12E+10	-114.23	-115.41	-114.22	-114.58	-115.76	-114.78	11.17					
1.12E+10	-114.84	-114.86	-114.69	-113.89	-116.18	-114.73	11.18					
1.12E+10	-113.41	-115.81	-114.51	-114.83	-115.59	-115.58	11.19					
1.12E+10	-114.42	-114.77	-114.38	-114.56	-115.49	-115.20	11.20					
1.12E+10	-114.03	-114.76	-114.92	-114.59	-115.63	-114.78	11.21					
1.12E+10	-114.43	-114.69	-114.35	-114.69	-116.19	-115.43	11.22					
1.12E+10	-113.55	-114.87	-115.24	-114.70	-115.55	-115.21	11.23					
1.12E+10	-113.72	-115.60	-114.04	-114.62	-115.04	-115.50	11.24					
1.13E+10	-114.17	-115.05	-113.92	-114.27	-115.45	-115.09	11.25					
1.13E+10	-114.41	-114.66	-113.82	-115.28	-116.23	-114.85	11.26					
1.13E+10	-114.24	-115.17	-113.84	-114.58	-115.66	-114.33	11.27					
1.13E+10	-114.10	-115.96	-114.56	-114.87	-116.08	-115.61	11.28					
1.13E+10	-115.11	-115.42	-115.24	-114.76	-115.95	-115.33	11.29					
1.13E+10	-113.99	-115.85	-114.10	-115.05	-115.96	-116.41	11.30					
1.13E+10	-114.91	-115.58	-114.64	-114.59	-115.92	-114.86	11.31					
1.13E+10	-114.14	-115.84	-114.67	-114.15	-116.45	-114.83	11.32					
1.13E+10	-114.17	-115.62	-115.10	-114.60	-115.70	-114.66	11.33					
1.13E+10	-113.95	-115.27	-115.14	-114.50	-116.10	-115.03	11.34					
1.14E+10	-113.48	-115.27	-113.61	-114.50	-115.63	-114.55	11.35					
1.14E+10	-114.02	-114.54	-114.18	-114.91	-115.80	-114.96	11.36					

8 – 12 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 28-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.			Comparison				
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq GHz	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	minus the Ambient scan				
								dBm	dBm	dBm	dBm	dBm
1.14E+10	-113.62	-114.87	-114.36	-114.37	-115.64	-115.35	11.37	3.00	3.00	3.00	3.00	3.00
1.14E+10	-113.34	-114.77	-115.15	-114.77	-116.64	-115.05	11.38				-3.30	
1.14E+10	-113.63	-115.07	-114.12	-114.81	-116.19	-115.57	11.39					
1.14E+10	-114.04	-114.88	-114.36	-114.91	-115.90	-115.21	11.40					
1.14E+10	-114.24	-115.47	-114.49	-114.36	-115.87	-115.29	11.41					
1.14E+10	-114.46	-114.91	-114.30	-114.60	-115.71	-115.83	11.42					
1.14E+10	-114.30	-115.35	-114.61	-114.86	-115.68	-114.71	11.43					
1.14E+10	-113.72	-115.69	-114.60	-114.94	-115.83	-115.08	11.44					
1.15E+10	-114.40	-115.19	-114.77	-114.56	-116.06	-115.22	11.45					
1.15E+10	-114.43	-114.41	-113.93	-114.06	-116.05	-114.78	11.46					
1.15E+10	-114.03	-114.51	-114.92	-114.17	-116.12	-114.82	11.47					
1.15E+10	-114.15	-114.69	-114.32	-113.92	-115.67	-114.97	11.48					
1.15E+10	-114.17	-115.67	-114.02	-114.77	-115.64	-114.51	11.49					
1.15E+10	-114.07	-115.64	-114.14	-114.84	-116.34	-114.46	11.50					
1.15E+10	-113.74	-115.50	-114.20	-114.49	-115.79	-115.11	11.51					
1.15E+10	-113.94	-115.07	-114.54	-114.78	-116.42	-115.26	11.52					
1.15E+10	-113.82	-114.63	-115.24	-114.28	-116.56	-115.12	11.53					
1.15E+10	-114.31	-115.11	-113.38	-115.16	-115.84	-114.91	11.54					
1.16E+10	-114.71	-115.79	-114.47	-115.54	-116.03	-114.89	11.55					
1.16E+10	-114.60	-115.50	-114.41	-114.12	-116.10	-115.94	11.56					
1.16E+10	-114.92	-115.26	-114.31	-114.59	-115.97	-115.16	11.57					
1.16E+10	-113.82	-114.65	-113.92	-114.12	-115.74	-115.00	11.58					
1.16E+10	-113.60	-115.07	-114.10	-114.93	-116.20	-115.04	11.59					
1.16E+10	-113.97	-114.37	-113.99	-114.40	-116.37	-113.94	11.60					
1.16E+10	-113.84	-115.50	-114.64	-113.38	-115.79	-114.55	11.61					
1.16E+10	-113.82	-115.92	-113.96	-114.49	-116.03	-114.69	11.62					

8 – 12 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 28-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.			Comparison				
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq GHz	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	minus the Ambient scan				
								dBm	dBm	dBm	dBm	dBm
1.16E+10	-113.39	-115.47	-114.61	-114.52	-115.40	-114.71	11.63	3.00	3.00	3.00	3.00	3.00
1.16E+10	-113.55	-115.39	-113.88	-114.57	-115.50	-114.84	11.64					
1.17E+10	-114.08	-114.75	-114.13	-113.68	-115.10	-114.17	11.65					
1.17E+10	-114.32	-114.88	-113.51	-114.23	-115.40	-114.35	11.66					
1.17E+10	-114.06	-115.03	-114.00	-113.78	-114.90	-114.53	11.67					
1.17E+10	-114.53	-114.65	-114.65	-114.28	-115.51	-114.23	11.68					
1.17E+10	-113.86	-113.99	-115.04	-114.45	-115.70	-114.75	11.69					
1.17E+10	-114.65	-115.14	-113.92	-114.55	-115.49	-114.70	11.70					
1.17E+10	-114.26	-115.19	-114.28	-114.84	-115.22	-115.34	11.71					
1.17E+10	-113.83	-114.84	-114.47	-114.26	-115.54	-115.06	11.72					
1.17E+10	-114.25	-114.85	-113.33	-114.45	-116.21	-114.15	11.73					
1.17E+10	-114.09	-115.15	-113.86	-113.94	-115.93	-114.55	11.74					
1.18E+10	-113.84	-114.95	-114.17	-114.33	-115.94	-114.82	11.75					
1.18E+10	-113.67	-114.84	-113.88	-114.22	-115.30	-115.11	11.76					
1.18E+10	-113.77	-114.27	-114.19	-113.91	-116.49	-114.69	11.77					
1.18E+10	-113.60	-115.13	-114.00	-114.10	-115.21	-114.19	11.78					
1.18E+10	-113.40	-114.23	-113.59	-113.71	-115.47	-114.63	11.79					
1.18E+10	-113.40	-114.04	-114.07	-113.94	-115.10	-114.13	11.80					
1.18E+10	-113.79	-114.39	-113.58	-114.00	-115.22	-113.57	11.81					
1.18E+10	-113.75	-114.52	-113.75	-114.02	-115.44	-115.13	11.82					
1.18E+10	-113.78	-115.05	-113.09	-114.20	-116.27	-114.38	11.83					
1.18E+10	-113.43	-114.57	-114.36	-114.72	-115.16	-114.90	11.84					
1.19E+10	-113.95	-115.11	-113.23	-114.13	-115.84	-114.87	11.85					
1.19E+10	-113.27	-115.10	-113.20	-114.17	-115.50	-114.39	11.86					
1.19E+10	-114.04	-115.58	-114.40	-114.44	-115.18	-113.97	11.87					
1.19E+10	-114.22	-114.27	-113.36	-114.81	-115.53	-114.44	11.88					

8 – 12 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 28-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.			Comparison				
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq GHz	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	minus the Ambient scan				
								dBm	dBm	dBm	dBm	dBm
								3.00	3.00	3.00	3.00	3.00
1.19E+10	-113.93	-114.74	-114.61	-114.19	-115.95	-114.80	11.89					
1.19E+10	-114.03	-114.50	-113.92	-114.77	-115.16	-115.14	11.90					
1.19E+10	-113.44	-114.55	-113.70	-114.34	-115.08	-115.14	11.91					
1.19E+10	-113.99	-114.99	-113.64	-114.43	-115.79	-115.32	11.92					
1.19E+10	-113.66	-115.38	-114.42	-114.21	-115.32	-114.82	11.93					
1.19E+10	-113.57	-115.20	-114.57	-114.21	-115.69	-114.97	11.94					
1.20E+10	-113.74	-115.27	-114.67	-114.15	-115.81	-114.76	11.95					
1.20E+10	-115.28	-114.95	-114.53	-114.95	-116.50	-115.31	11.96					
1.20E+10	-114.32	-115.93	-114.71	-114.71	-116.18	-115.77	11.97					
1.20E+10	-114.59	-114.67	-114.90	-114.87	-115.59	-115.36	11.98					
1.20E+10	-113.52	-115.47	-114.38	-114.49	-116.81	-115.32	11.99				-3.29	
1.20E+10	-113.98	-114.93	-114.18	-114.42	-115.96	-114.29	12.00					
Sum of column								0.00	0.00	0.00	-16.43	0.00

Attenuation (dB)
 0

Center Frequency (Hz)
 10000000000

Date/Time
 1/6/2011 13:40

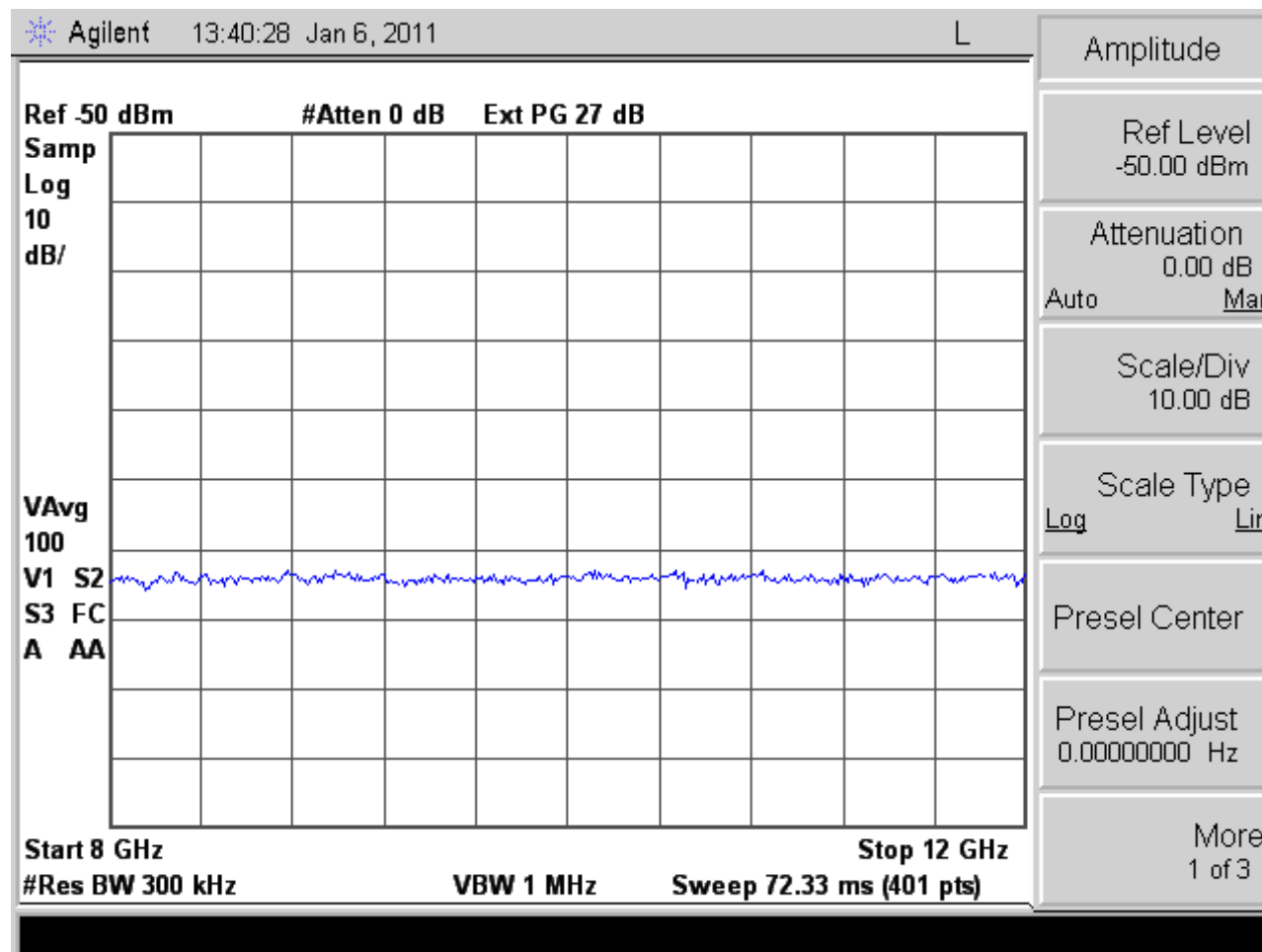
Instrument Model
 E4407B

Instrument Serial Number
 MY45116875

Reference Level (dBm)
 -50

Resolution BW (Hz)
 300000

Scale Type
 LOG



Span Frequency (Hz)
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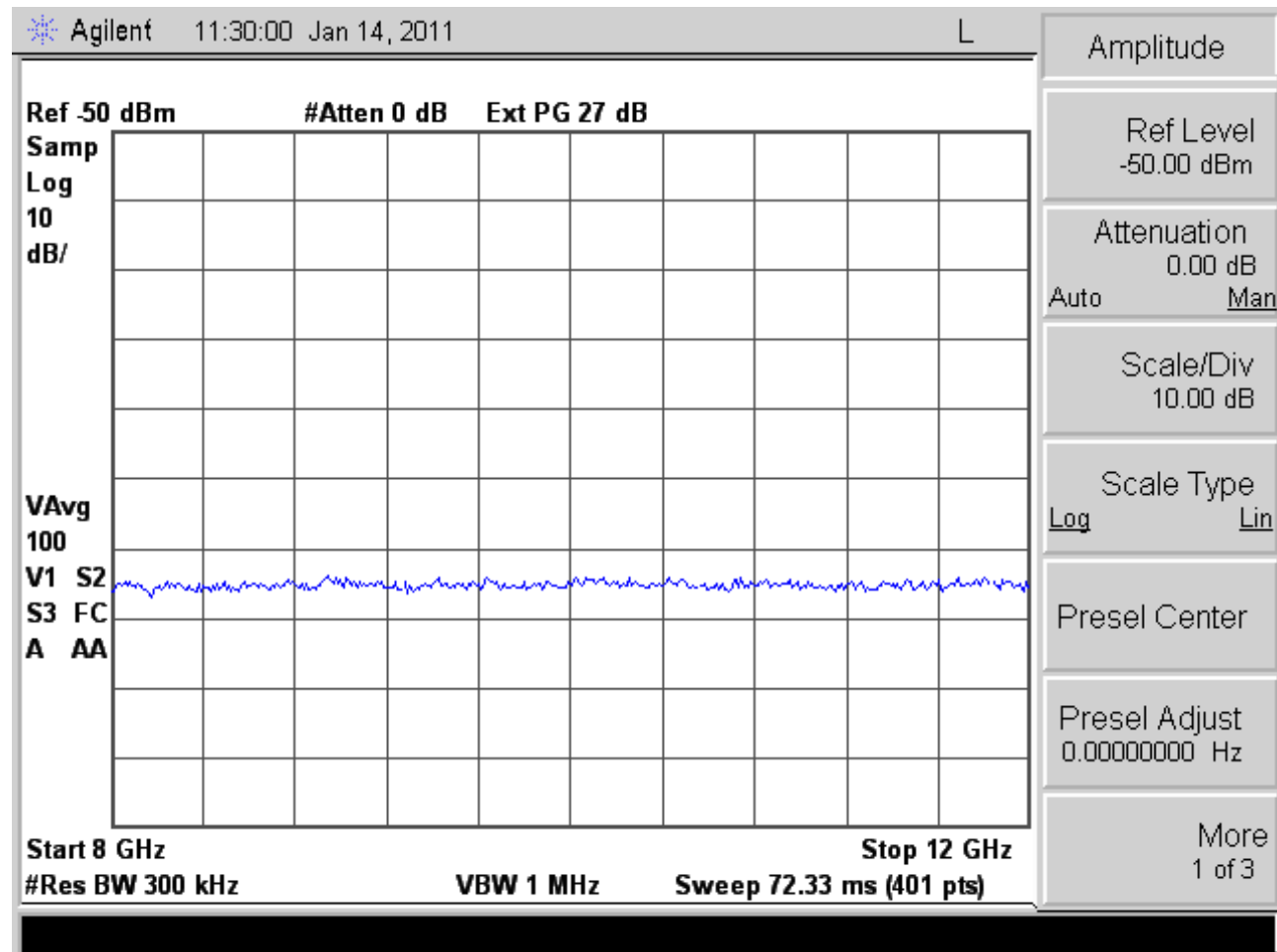
Start Frequency (Hz)
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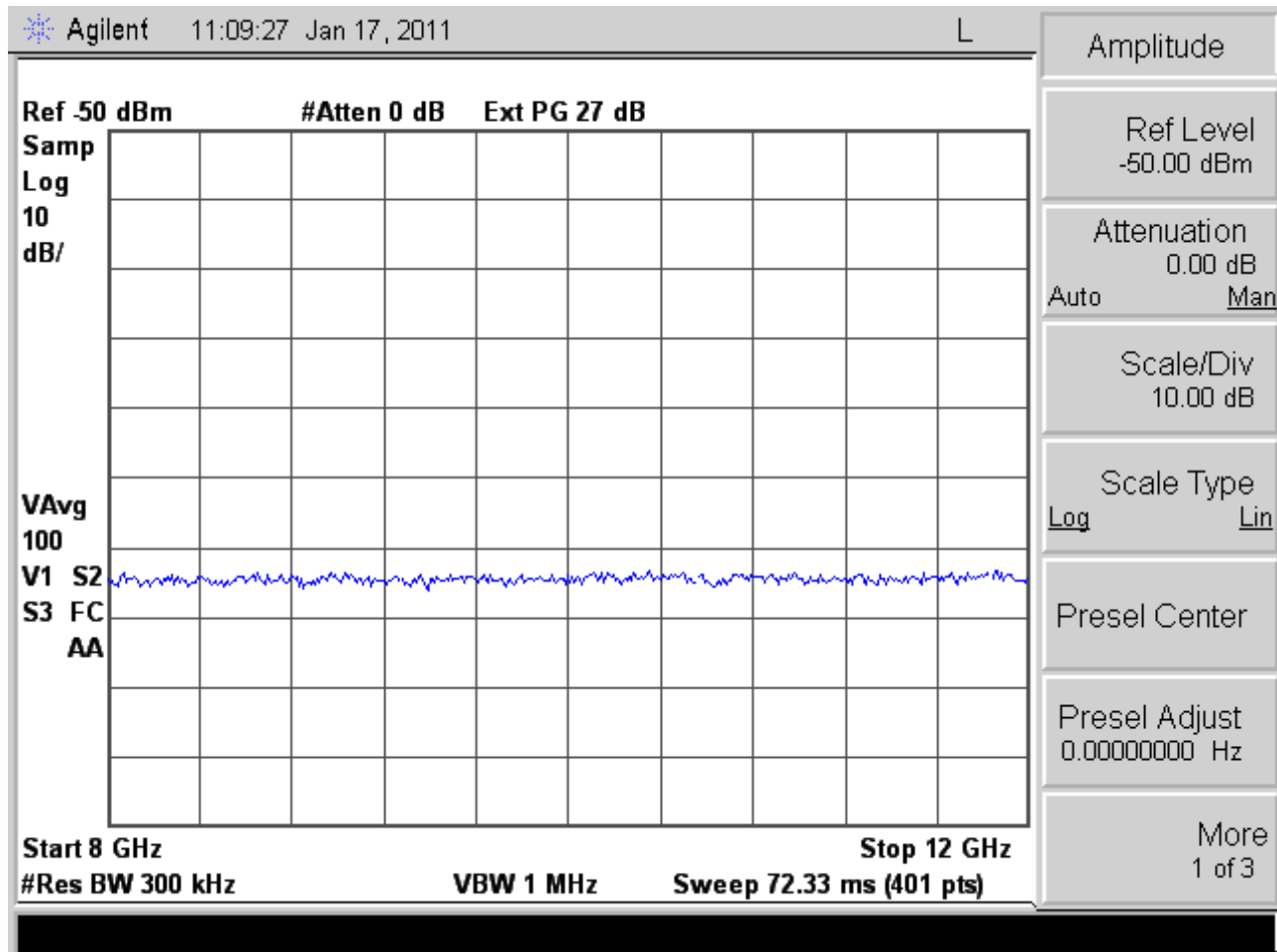
Stop Frequency (Hz)
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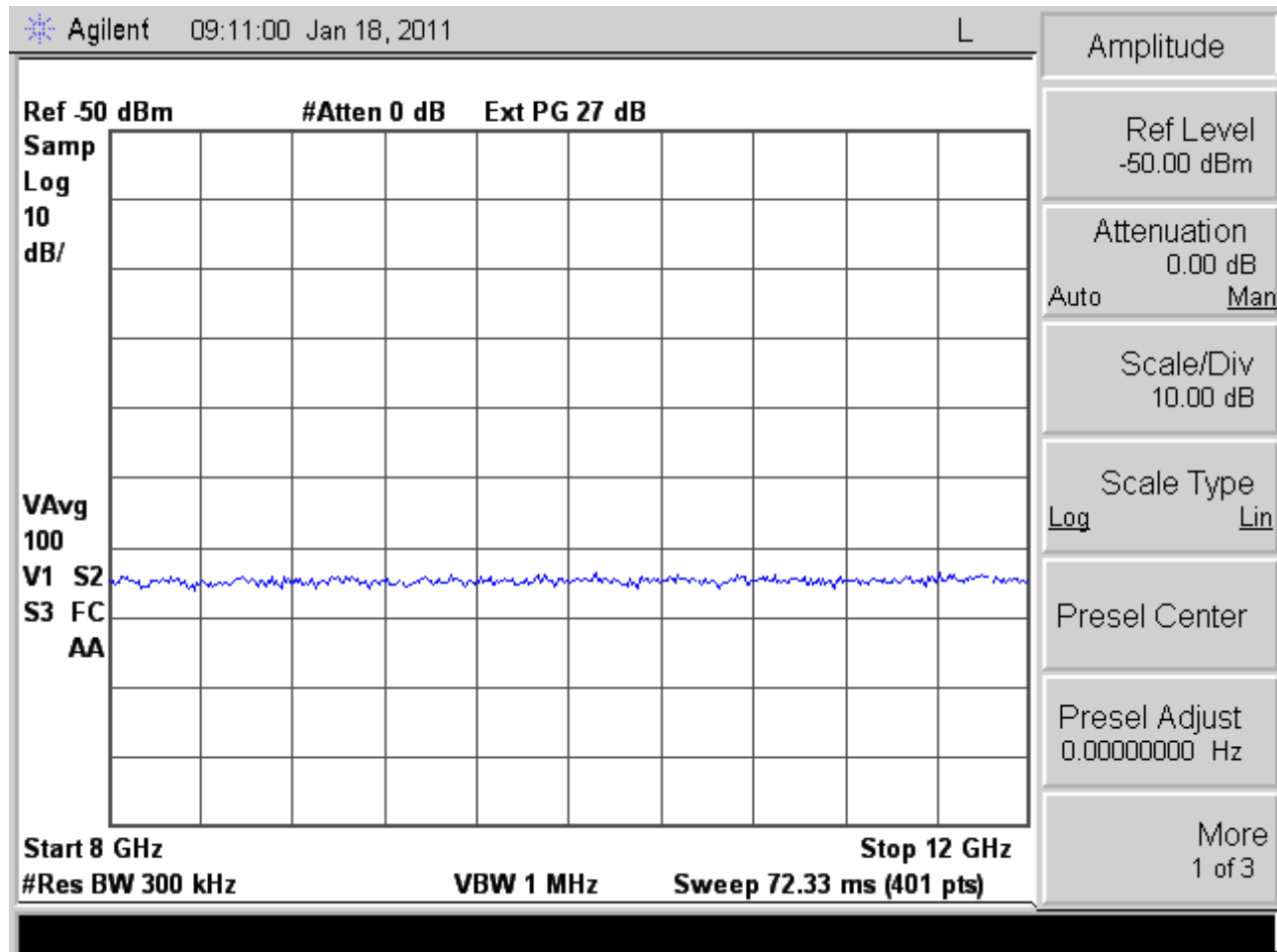
Sweep Number Of Points
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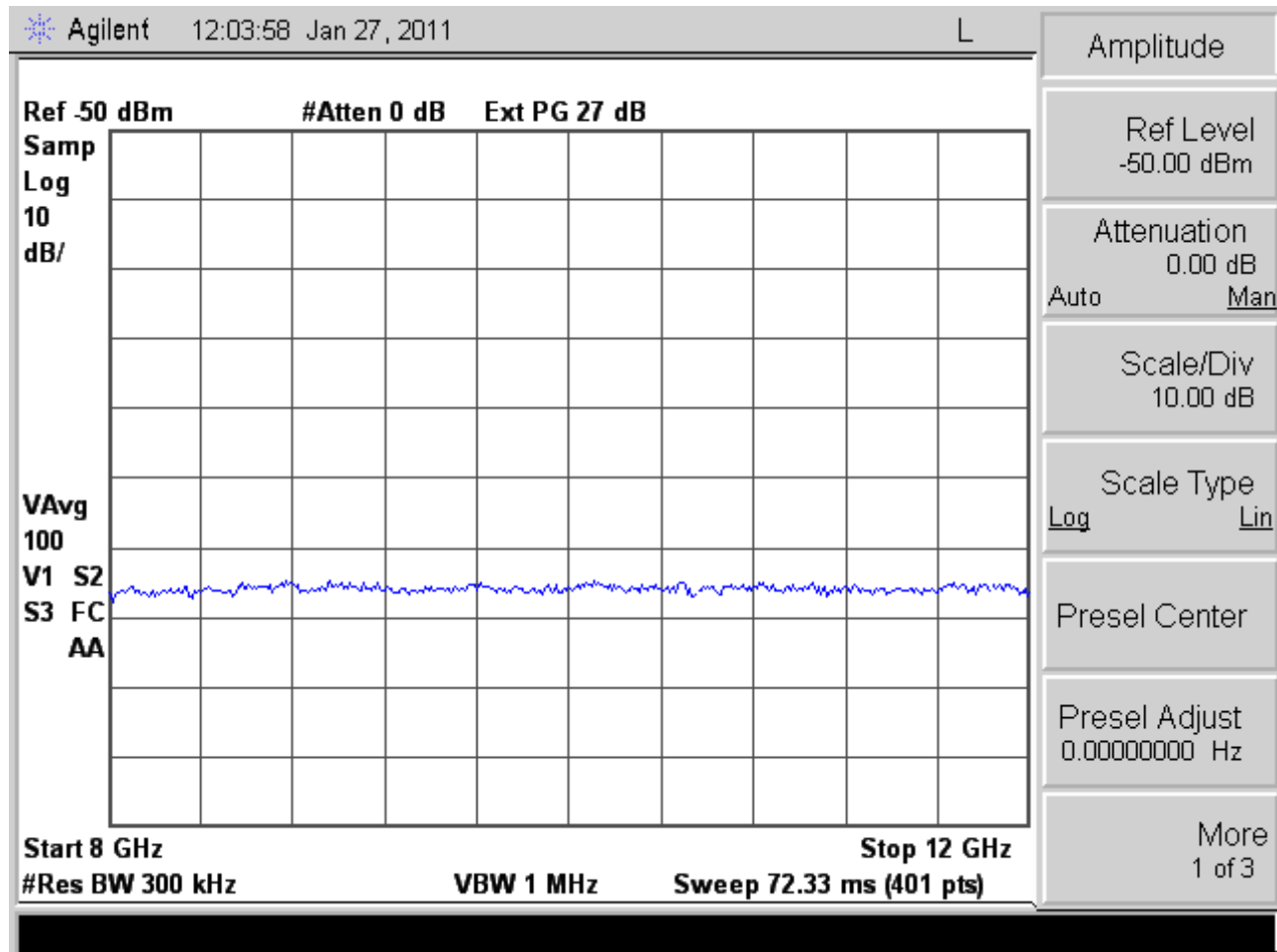
Sweep Time (seconds)
0

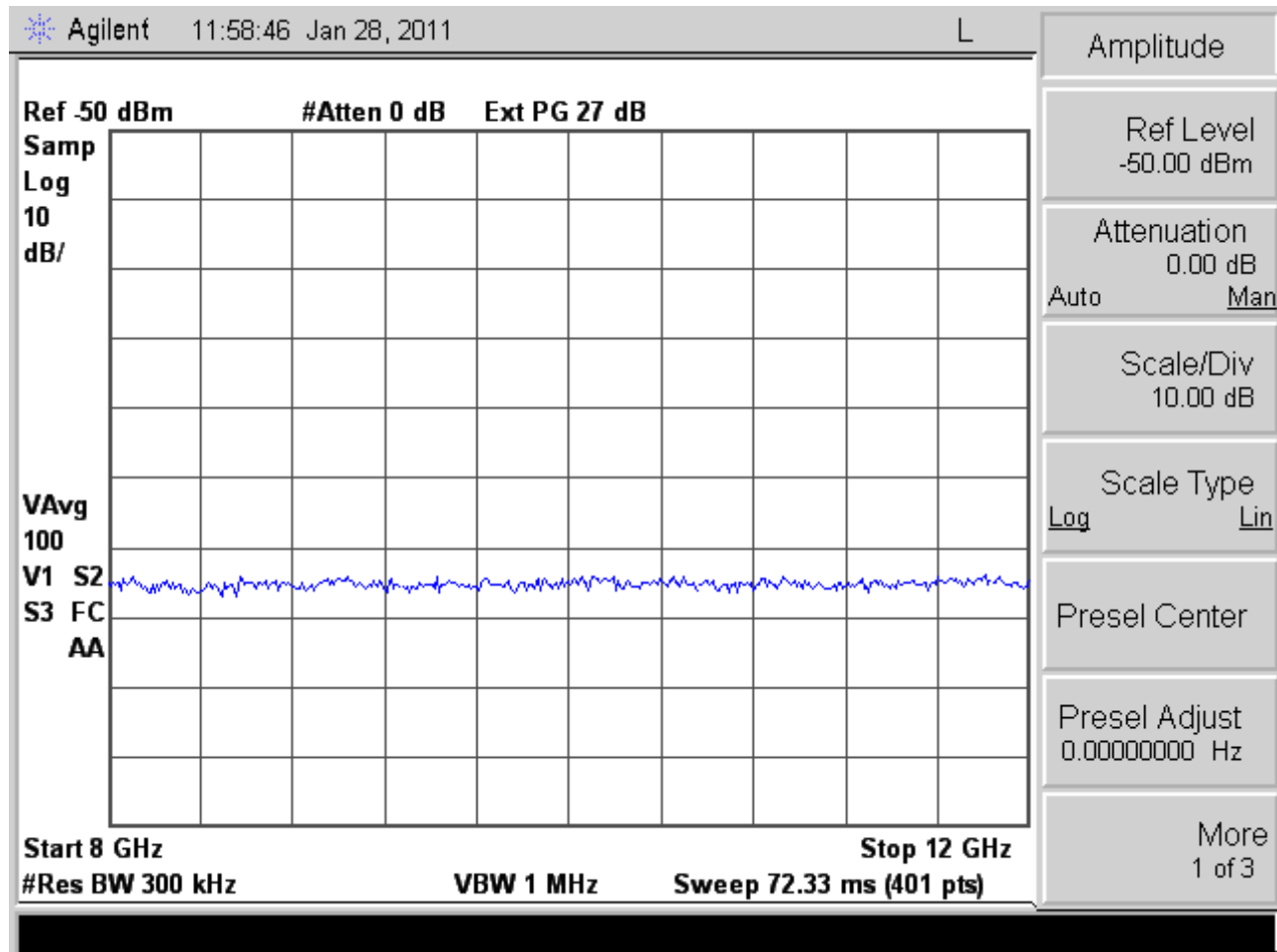
Video BW (Hz)
1000000











12 – 18 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.		Comparison					
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq GHz	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	minus the Ambient scan				
								dBm	dBm	dBm	dBm	dBm
1.20E+10	-114.50	-114.91	-113.99	-114.91	-117.13	-114.99	12.00	1.00	1.00	1.00	1.00	1.00
1.20E+10	-113.95	-115.19	-113.65	-115.37	-115.59	-115.28	12.02	-1.24		-1.41	-1.64	1.32
1.20E+10	-114.07	-114.65	-114.85	-114.45	-115.84	-115.11	12.03				-1.76	1.03
1.20E+10	-113.65	-114.57	-114.10	-115.34	-115.47	-114.92	12.05			-1.68	-1.81	1.27
1.21E+10	-113.59	-115.27	-114.04	-113.92	-115.56	-115.04	12.06	-1.68			-1.96	1.45
1.21E+10	-114.10	-114.63	-113.83	-114.29	-116.13	-115.10	12.08				-2.03	1.00
1.21E+10	-114.15	-114.67	-114.50	-115.01	-115.07	-114.81	12.09					
1.21E+10	-114.01	-115.19	-113.91	-114.99	-116.06	-115.11	12.11	-1.18			-2.06	1.10
1.21E+10	-113.42	-115.35	-114.25	-114.23	-114.96	-114.47	12.12	-1.94			-1.55	1.05
1.21E+10	-114.15	-115.18	-113.70	-114.41	-115.92	-114.80	12.14	-1.03			-1.77	
1.22E+10	-114.10	-115.49	-113.83	-114.11	-116.29	-114.52	12.15	-1.39			-2.20	
1.22E+10	-114.27	-115.85	-113.93	-115.01	-116.13	-115.54	12.17	-1.57			-1.85	1.26
1.22E+10	-114.86	-116.50	-114.90	-115.15	-117.16	-115.46	12.18	-1.64			-2.30	
1.22E+10	-114.26	-116.33	-114.06	-114.73	-116.82	-115.42	12.20	-2.07			-2.56	1.16
1.22E+10	-115.29	-115.71	-114.71	-115.14	-116.19	-115.64	12.21					
1.22E+10	-114.42	-116.14	-115.14	-115.71	-116.79	-116.06	12.23	-1.72		-1.28	-2.36	1.63
1.22E+10	-115.28	-115.55	-115.32	-114.62	-116.63	-115.82	12.24				-1.35	
1.23E+10	-115.46	-115.68	-115.60	-114.53	-116.29	-115.04	12.26					
1.23E+10	-114.43	-115.60	-113.77	-115.04	-117.29	-116.66	12.27	-1.17			-2.86	2.23
1.23E+10	-113.96	-115.59	-114.65	-113.89	-117.68	-115.42	12.29	-1.64			-3.73	1.46

12 – 18 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.		Comparison					
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq GHz	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	minus the Ambient scan				
								dBm	dBm	dBm	dBm	dBm
1.23E+10	-114.87	-115.43	-114.04	-114.26	-116.37	-115.61	12.30	1.00	1.00	1.00	1.00	1.00
1.23E+10	-114.71	-115.19	-114.68	-114.94	-115.64	-115.28	12.32					
1.23E+10	-113.49	-115.61	-114.19	-114.80	-116.10	-115.57	12.33	-2.12		-1.31	-2.61	2.08
1.23E+10	-113.82	-114.95	-114.32	-114.61	-115.88	-115.84	12.35	-1.13			-2.05	2.02
1.24E+10	-114.29	-115.50	-114.76	-114.88	-116.84	-114.79	12.36	-1.21			-2.55	
1.24E+10	-114.63	-115.21	-113.78	-115.13	-116.61	-115.82	12.38				-1.98	1.20
1.24E+10	-114.78	-115.69	-114.81	-114.45	-116.05	-115.05	12.39				-1.26	
1.24E+10	-114.24	-115.21	-114.56	-115.43	-115.48	-115.06	12.41			-1.19	-1.24	
1.24E+10	-113.85	-115.05	-114.46	-114.69	-116.07	-114.42	12.42	-1.20			-2.22	
1.24E+10	-114.63	-114.91	-113.83	-114.64	-116.97	-115.52	12.44				-2.35	
1.25E+10	-113.73	-115.05	-113.88	-114.66	-116.51	-114.72	12.45	-1.32			-2.78	
1.25E+10	-113.95	-115.63	-113.03	-114.45	-116.75	-114.74	12.47	-1.69			-2.80	
1.25E+10	-114.16	-114.70	-114.37	-115.01	-116.50	-115.36	12.48				-2.34	1.19
1.25E+10	-114.54	-115.51	-113.96	-115.34	-117.26	-115.39	12.50				-2.72	
1.25E+10	-114.28	-115.45	-114.83	-115.69	-116.26	-114.90	12.51	-1.17		-1.41	-1.98	
1.25E+10	-113.95	-115.21	-114.92	-114.46	-116.61	-114.66	12.53	-1.26			-2.67	
1.25E+10	-114.29	-115.47	-113.88	-114.13	-116.09	-115.18	12.54	-1.18			-1.79	
1.26E+10	-113.99	-115.00	-113.47	-114.66	-116.83	-114.94	12.56	-1.01			-2.84	
1.26E+10	-113.03	-115.26	-113.60	-114.61	-115.87	-114.40	12.57	-2.23		-1.58	-2.84	1.37
1.26E+10	-114.46	-115.11	-114.08	-113.88	-116.10	-115.35	12.59				-1.65	
1.26E+10	-113.87	-115.46	-114.56	-113.61	-115.17	-114.52	12.60	-1.60			-1.30	
1.26E+10	-114.57	-114.86	-114.86	-114.23	-114.84	-114.98	12.62					
1.26E+10	-114.43	-114.93	-114.99	-113.86	-116.06	-115.58	12.63				-1.63	1.16

12 – 18 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.		Comparison					
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq GHz	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	dBm	dBm	dBm	dBm	dBm
1.26E+10	-114.42	-114.83	-114.61	-114.59	-116.66	-115.30	12.65	1.00	1.00	1.00	1.00	1.00
1.27E+10	-114.17	-115.80	-113.53	-115.59	-116.83	-115.33	12.66	-1.63		-1.43	-2.66	1.16
1.27E+10	-113.63	-115.00	-113.70	-114.87	-115.53	-114.68	12.68	-1.38		-1.25	-1.90	1.05
1.27E+10	-113.96	-115.25	-114.15	-113.86	-115.91	-115.70	12.69	-1.29			-1.95	1.74
1.27E+10	-114.32	-115.38	-114.33	-114.70	-115.29	-114.78	12.71	-1.06				
1.27E+10	-113.77	-114.48	-114.54	-113.79	-114.82	-114.69	12.72				-1.04	
1.27E+10	-113.78	-114.38	-114.38	-114.21	-115.32	-114.52	12.74				-1.54	
1.28E+10	-113.79	-114.88	-115.08	-113.55	-115.56	-114.67	12.75	-1.09	-1.29		-1.77	
1.28E+10	-114.21	-114.64	-114.65	-114.92	-115.87	-114.21	12.77				-1.66	
1.28E+10	-114.51	-114.54	-114.67	-113.81	-115.69	-115.62	12.78				-1.19	1.11
1.28E+10	-114.57	-115.07	-114.14	-114.16	-115.26	-114.69	12.80					
1.28E+10	-114.03	-115.71	-113.41	-113.76	-116.45	-114.22	12.81	-1.67			-2.42	
1.28E+10	-113.79	-115.07	-112.71	-114.04	-116.74	-114.32	12.83	-1.28	1.08		-2.95	
1.28E+10	-114.13	-114.99	-114.12	-114.58	-115.89	-114.69	12.84				-1.77	
1.29E+10	-114.06	-115.32	-114.50	-114.12	-116.14	-114.19	12.86	-1.25			-2.07	
1.29E+10	-114.64	-114.55	-113.88	-114.06	-115.41	-114.92	12.87					
1.29E+10	-114.51	-115.57	-114.36	-114.09	-116.40	-115.10	12.89	-1.06			-1.89	
1.29E+10	-114.33	-115.33	-115.07	-114.22	-116.20	-115.89	12.90				-1.87	1.56
1.29E+10	-115.73	-115.47	-114.67	-115.19	-116.51	-114.53	12.92		1.05			1.20
1.29E+10	-114.08	-115.32	-115.75	-114.21	-116.40	-114.50	12.93	-1.24	-1.67		-2.32	
1.29E+10	-113.93	-114.85	-113.86	-114.69	-116.13	-115.71	12.95				-2.19	1.78
1.30E+10	-114.28	-115.27	-114.27	-114.34	-116.33	-116.04	12.96				-2.05	1.75
1.30E+10	-114.15	-115.63	-115.17	-114.47	-115.99	-116.34	12.98	-1.48	-1.02		-1.84	-

12 – 18 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.		Comparison					
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq GHz	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	minus the Ambient scan				
								dBm	dBm	dBm	dBm	dBm
								1.00	1.00	1.00	1.00	1.00
1.30E+10	-114.88	-115.14	-113.65	-115.05	-117.10	-115.11	12.99		1.23		-2.22	
1.30E+10	-114.28	-115.38	-114.37	-114.31	-115.49	-115.79	13.01	-1.10			-1.21	1.51
1.30E+10	-115.56	-115.60	-114.64	-114.42	-116.85	-115.82	13.02			1.14	-1.30	
1.30E+10	-115.01	-115.40	-115.19	-114.94	-117.03	-114.88	13.04				-2.03	
1.31E+10	-114.53	-115.35	-114.60	-114.96	-116.86	-115.96	13.05				-2.33	1.42
1.31E+10	-114.85	-115.72	-114.78	-114.80	-116.79	-115.66	13.07				-1.95	
1.31E+10	-114.22	-115.06	-114.68	-114.83	-116.51	-115.79	13.08				-2.28	1.57
1.31E+10	-114.23	-115.25	-114.79	-113.55	-117.08	-114.69	13.10	-1.02			-2.85	
1.31E+10	-114.26	-114.43	-114.02	-114.40	-116.68	-115.00	13.11				-2.42	
1.31E+10	-113.49	-114.96	-114.23	-114.81	-116.46	-115.25	13.13	-1.46		-1.31	-2.97	1.76
1.31E+10	-114.72	-115.01	-113.48	-114.87	-115.95	-115.13	13.14		1.24		-1.22	
1.32E+10	-114.92	-115.40	-114.82	-114.79	-116.20	-115.12	13.16				-1.28	
1.32E+10	-114.95	-115.73	-115.38	-114.56	-117.18	-115.61	13.17				-2.23	
1.32E+10	-114.00	-115.45	-115.13	-114.73	-116.37	-115.33	13.19	-1.45	-1.13		-2.37	1.33
1.32E+10	-114.22	-115.03	-113.82	-114.23	-116.46	-115.41	13.20				-2.24	1.18
1.32E+10	-114.27	-114.61	-113.99	-114.42	-115.57	-114.63	13.22				-1.30	
1.32E+10	-114.19	-115.09	-114.77	-114.61	-115.68	-115.43	13.23				-1.48	1.24
1.32E+10	-114.25	-114.95	-113.61	-114.51	-116.29	-114.87	13.25				-2.04	
1.33E+10	-114.26	-115.02	-114.35	-113.32	-116.53	-115.36	13.26				-2.27	1.09
1.33E+10	-113.90	-114.42	-113.61	-114.34	-116.01	-115.25	13.28				-2.11	1.35
1.33E+10	-114.40	-114.61	-113.77	-114.12	-116.50	-114.38	13.29				-2.10	

12 – 18 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.		Comparison					
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq GHz	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	minus the Ambient scan				
								dBm	dBm	dBm	dBm	dBm
1.33E+10	-113.47	-114.55	-114.14	-113.95	-116.25	-114.42	13.31	-1.08			-2.78	
1.33E+10	-113.82	-114.42	-115.20	-114.12	-115.71	-113.99	13.32		-1.38		-1.89	
1.33E+10	-114.03	-114.82	-112.96	-113.67	-115.88	-113.73	13.34		1.07		-1.85	
1.34E+10	-114.24	-114.46	-114.40	-114.68	-115.37	-114.23	13.35				-1.13	
1.34E+10	-113.53	-114.79	-113.74	-114.07	-115.94	-114.79	13.37	-1.27			-2.42	1.26
1.34E+10	-113.59	-114.95	-114.10	-113.74	-115.56	-115.42	13.38	-1.36			-1.97	1.83
1.34E+10	-113.50	-115.12	-114.00	-113.68	-114.85	-114.94	13.40	-1.62			-1.35	1.44
1.34E+10	-113.95	-115.21	-114.13	-114.36	-116.38	-114.41	13.41	-1.26			-2.43	
1.34E+10	-113.75	-115.43	-114.03	-114.53	-116.10	-113.59	13.43	-1.68			-2.35	
1.34E+10	-113.74	-115.09	-114.20	-113.72	-115.40	-114.21	13.44	-1.35			-1.67	
1.35E+10	-114.22	-115.36	-114.48	-114.16	-115.21	-115.18	13.46	-1.14				
1.35E+10	-113.73	-114.98	-114.46	-114.55	-116.03	-114.79	13.47	-1.25			-2.30	1.06
1.35E+10	-113.48	-114.80	-113.62	-113.53	-115.87	-114.81	13.49	-1.31			-2.39	1.32
1.35E+10	-113.37	-114.89	-113.92	-113.17	-115.83	-114.85	13.50	-1.52			-2.47	1.49
1.35E+10	-113.18	-114.38	-113.59	-113.90	-115.36	-114.15	13.52	-1.21			-2.18	
1.35E+10	-113.41	-114.59	-113.13	-113.64	-115.36	-114.13	13.53	-1.18			-1.95	
1.35E+10	-114.18	-114.86	-113.56	-113.48	-115.23	-115.15	13.55				-1.05	
1.36E+10	-113.45	-114.76	-114.07	-113.63	-115.59	-114.10	13.56	-1.31			-2.14	
1.36E+10	-114.49	-114.55	-114.63	-113.57	-115.53	-115.33	13.58				-1.04	
1.36E+10	-114.01	-114.72	-114.18	-113.47	-115.26	-114.43	13.59				-1.25	
1.36E+10	-114.90	-114.45	-113.64	-114.02	-116.13	-115.54	13.61		1.26		-1.22	
1.36E+10	-113.96	-113.70	-113.66	-113.69	-116.20	-115.73	13.62				-2.24	1.77
1.36E+10	-113.67	-114.78	-112.89	-113.41	-115.55	-114.69	13.64	-1.11			-1.88	

12 – 18 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011													
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.			Comparison					
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq GHz	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	minus the Ambient scan					dBm
								dBm	dBm	dBm	dBm	dBm	
								1.00	1.00	1.00	1.00	1.00	
1.37E+10	-114.23	-114.98	-114.48	-113.44	-115.08	-113.96	13.65					-	
1.37E+10	-113.57	-114.18	-113.24	-114.43	-115.36	-114.91	13.67				-1.79	1.35	
1.37E+10	-113.41	-114.44	-113.03	-113.31	-115.03	-115.11	13.68	-1.03			-1.62	1.69	
1.37E+10	-113.77	-114.48	-113.43	-113.48	-115.00	-114.42	13.70				-1.23	-	
1.37E+10	-113.11	-114.54	-113.69	-114.14	-115.03	-114.60	13.71	-1.42		-1.03	-1.92	1.49	
1.37E+10	-113.31	-114.00	-114.31	-114.19	-116.60	-114.70	13.73		-1.00		-3.29	1.39	
1.37E+10	-113.53	-114.71	-113.31	-113.67	-115.67	-114.53	13.74	-1.18			-2.14	-	
1.38E+10	-113.47	-114.05	-113.73	-113.54	-115.85	-114.35	13.76				-2.38	-	
1.38E+10	-113.77	-114.21	-113.66	-113.89	-115.19	-115.32	13.77				-1.42	1.55	
1.38E+10	-113.13	-114.34	-114.56	-114.61	-116.01	-114.68	13.79	-1.21	-1.43	-1.48	-2.88	1.54	
1.38E+10	-113.53	-114.67	-113.59	-114.08	-115.38	-114.33	13.80	-1.14			-1.84	-	
1.38E+10	-112.62	-113.83	-113.63	-113.41	-114.93	-114.31	13.82	-1.22	-1.01		-2.31	1.70	
1.38E+10	-112.82	-114.40	-114.35	-114.98	-115.17	-114.47	13.83	-1.58	-1.53	-2.16	-2.35	1.66	
1.38E+10	-113.07	-114.46	-113.41	-113.04	-115.40	-114.22	13.85	-1.40			-2.34	1.15	
1.39E+10	-113.27	-114.55	-112.84	-113.65	-114.87	-113.90	13.86	-1.28			-1.60	-	
1.39E+10	-113.09	-115.33	-114.02	-114.93	-115.07	-113.23	13.88	-2.24		-1.85	-1.98	-	
1.39E+10	-113.63	-114.48	-113.07	-113.72	-116.42	-114.82	13.89				-2.78	1.18	
1.39E+10	-113.76	-114.34	-113.53	-113.53	-114.22	-113.55	13.91					-	
1.39E+10	-113.46	-115.12	-114.24	-114.14	-115.13	-114.40	13.92	-1.66			-1.67	-	
1.39E+10	-113.61	-114.00	-113.29	-113.79	-115.46	-113.36	13.94				-1.85	-	
1.40E+10	-113.06	-113.67	-113.14	-113.90	-115.46	-112.58	13.95				-2.40	-	

12 – 18 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.			Comparison				
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq GHz	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	minus the Ambient scan				
								dBm	dBm	dBm	dBm	dBm
1.40E+10	-113.49	-114.28	-112.74	-113.69	-115.44	-114.36	13.97	1.00	1.00	1.00	1.00	1.00
1.40E+10	-113.28	-114.38	-114.51	-113.26	-115.55	-114.65	13.98	-1.10	-1.23		-2.27	1.37
1.40E+10	-112.82	-114.24	-113.94	-112.86	-115.83	-114.72	14.00	-1.42	-1.12		-3.01	1.90
1.40E+10	-113.64	-114.57	-112.73	-113.96	-115.37	-114.04	14.01				-1.74	
1.40E+10	-113.29	-113.66	-113.96	-113.72	-114.86	-113.51	14.03				-1.57	
1.40E+10	-113.54	-114.44	-113.25	-113.65	-114.32	-114.21	14.04					
1.41E+10	-113.92	-114.20	-113.96	-113.25	-114.63	-114.73	14.06					
1.41E+10	-113.77	-114.44	-113.42	-113.96	-115.76	-113.98	14.07				-2.00	
1.41E+10	-112.78	-114.87	-113.86	-114.14	-115.16	-114.08	14.09	-2.09	-1.08	-1.36	-2.38	1.30
1.41E+10	-112.93	-114.33	-113.73	-114.40	-114.86	-114.97	14.10	-1.40		-1.47	-1.93	2.04
1.41E+10	-113.71	-114.56	-114.22	-113.40	-114.41	-114.67	14.12					
1.41E+10	-113.25	-113.67	-113.94	-113.64	-115.37	-114.97	14.13				-2.12	1.72
1.41E+10	-113.95	-114.33	-114.25	-113.71	-115.82	-114.77	14.15				-1.87	
1.42E+10	-113.20	-114.78	-114.94	-113.56	-114.98	-114.18	14.16	-1.58	-1.74		-1.78	
1.42E+10	-113.08	-113.81	-113.21	-113.97	-115.04	-114.69	14.18				-1.96	1.61
1.42E+10	-113.67	-114.28	-113.67	-114.00	-114.39	-113.94	14.19					
1.42E+10	-113.77	-114.98	-113.24	-113.47	-114.81	-114.51	14.21	-1.21			-1.03	
1.42E+10	-113.61	-114.04	-113.42	-114.37	-116.40	-113.06	14.22				-2.79	
1.42E+10	-114.31	-114.19	-114.05	-114.24	-115.97	-114.34	14.24				-1.66	
1.43E+10	-113.26	-114.27	-113.50	-113.07	-115.65	-114.09	14.25	-1.01			-2.39	
1.43E+10	-113.57	-114.60	-114.48	-114.44	-115.27	-114.34	14.27	-1.03			-1.71	
1.43E+10	-114.14	-113.88	-113.13	-113.71	-115.19	-114.70	14.28		1.00		-1.05	
1.43E+10	-113.01	-114.14	-113.74	-114.11	-115.23	-115.41	14.30	-1.14		-1.11	-2.22	2.41

12 – 18 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.		Comparison					
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq GHz	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	minus the Ambient scan				
								dBm	dBm	dBm	dBm	dBm
1.43E+10	-113.67	-114.23	-113.85	-113.66	-115.16	-114.28	14.31					-1.49
1.43E+10	-114.20	-114.77	-113.92	-114.67	-115.04	-114.69	14.33					
1.43E+10	-113.81	-115.29	-114.03	-113.44	-115.47	-114.25	14.34	-1.48				-1.66
1.44E+10	-113.63	-114.03	-114.61	-114.01	-115.31	-114.31	14.36					-1.68
1.44E+10	-114.18	-114.43	-113.19	-114.38	-115.77	-113.89	14.37					-1.59
1.44E+10	-113.30	-114.27	-113.73	-113.56	-114.32	-114.67	14.39					-1.02
1.44E+10	-113.87	-113.93	-112.94	-113.67	-115.67	-114.69	14.40					-1.80
1.44E+10	-113.30	-114.75	-113.42	-115.13	-114.67	-114.04	14.42	-1.45		-1.82		-1.37
1.44E+10	-113.62	-114.82	-114.12	-114.52	-115.51	-113.18	14.43	-1.20				-1.89
1.44E+10	-113.53	-114.96	-113.10	-114.04	-115.82	-113.84	14.45	-1.43				-2.29
1.45E+10	-113.79	-114.72	-114.65	-113.57	-115.63	-113.83	14.46					-1.84
1.45E+10	-113.92	-114.43	-113.77	-114.56	-115.32	-113.67	14.48					-1.40
1.45E+10	-113.54	-114.41	-113.44	-114.39	-115.19	-114.06	14.49					-1.65
1.45E+10	-113.44	-114.42	-113.68	-113.25	-114.10	-113.35	14.51					
1.45E+10	-113.58	-115.56	-113.26	-113.93	-115.54	-113.72	14.52	-1.98				-1.96
1.45E+10	-114.00	-114.53	-114.29	-114.06	-115.37	-114.88	14.54					-1.37
1.46E+10	-113.63	-114.88	-114.38	-114.16	-115.32	-114.93	14.55	-1.25				-1.69
1.46E+10	-113.97	-115.08	-113.51	-113.82	-115.28	-113.90	14.57	-1.10				-1.30
1.46E+10	-113.62	-114.44	-114.07	-114.49	-115.53	-113.96	14.58					-1.92
1.46E+10	-113.84	-114.91	-113.50	-114.01	-115.72	-114.75	14.60	-1.07				-1.88
1.46E+10	-113.49	-114.91	-113.27	-114.45	-114.95	-113.84	14.61	-1.42				-1.46
1.46E+10	-114.22	-115.14	-114.07	-115.47	-115.57	-114.75	14.63			-1.25		-1.35
1.46E+10	-113.24	-114.77	-113.72	-113.86	-115.04	-114.00	14.64	-1.53				-1.80
1.47E+10	-114.03	-115.22	-113.80	-114.64	-116.00	-115.02	14.66	-1.19				-1.98
1.47E+10	-113.48	-114.90	-113.99	-115.41	-114.73	-114.53	14.67	-1.42		-1.93		-1.25

12 – 18 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.		Comparison					
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq GHz	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	minus the Ambient scan				
								dBm	dBm	dBm	dBm	dBm
								1.00	1.00	1.00	1.00	1.00
												1.05
1.47E+10	-114.59	-114.99	-113.97	-114.31	-115.88	-114.51	14.69				-1.29	-
1.47E+10	-113.50	-114.79	-113.46	-115.06	-115.90	-115.18	14.70	-1.28		-1.55	-2.40	1.68
1.47E+10	-114.03	-114.30	-114.31	-114.00	-116.37	-115.25	14.72				-2.35	1.22
1.47E+10	-114.60	-114.16	-114.49	-114.57	-115.21	-115.32	14.73					-
1.47E+10	-113.50	-114.26	-113.64	-113.64	-116.34	-114.61	14.75				-2.84	1.10
1.48E+10	-113.41	-115.09	-114.95	-114.07	-116.31	-115.56	14.76	-1.67	-1.53		-2.90	2.14
1.48E+10	-113.75	-115.42	-114.60	-114.71	-115.20	-115.14	14.78	-1.66			-1.44	1.38
1.48E+10	-114.17	-114.86	-113.05	-114.30	-115.86	-114.87	14.79		1.12		-1.69	-
1.48E+10	-114.77	-115.03	-114.02	-114.95	-116.37	-115.11	14.81				-1.60	-
1.48E+10	-113.17	-115.34	-113.92	-114.65	-115.99	-114.78	14.82	-2.17		-1.48	-2.82	1.61
1.48E+10	-115.11	-114.34	-113.91	-114.82	-114.84	-114.69	14.84		1.20			-
1.49E+10	-113.87	-115.64	-114.55	-114.13	-116.08	-115.75	14.85	-1.77			-2.21	1.88
1.49E+10	-113.20	-114.88	-114.40	-114.18	-116.41	-114.98	14.87	-1.68	-1.20		-3.21	1.78
1.49E+10	-113.65	-114.74	-114.27	-113.75	-116.05	-114.60	14.88	-1.09			-2.40	-
1.49E+10	-114.18	-114.62	-114.25	-114.32	-115.06	-114.05	14.90					-
1.49E+10	-113.99	-114.44	-114.64	-113.96	-115.03	-114.62	14.91				-1.04	-
1.49E+10	-113.57	-114.70	-115.00	-114.00	-115.68	-114.49	14.93	-1.13	-1.42		-2.11	-
1.49E+10	-113.94	-115.32	-114.45	-113.96	-115.48	-115.63	14.94	-1.38			-1.54	1.69
1.50E+10	-113.79	-114.73	-113.14	-113.37	-115.34	-114.54	14.96				-1.55	-
1.50E+10	-113.65	-115.19	-114.44	-114.23	-115.51	-114.29	14.97	-1.54			-1.85	-
1.50E+10	-114.15	-115.26	-113.88	-114.72	-116.37	-114.35	14.99	-1.10			-2.21	-

12 – 18 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.		Comparison					
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq GHz	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	minus the Ambient scan				
								dBm	dBm	dBm	dBm	dBm
1.50E+10	-114.35	-114.74	-113.36	-114.44	-114.91	-114.59	15.00	1.00	1.00	1.00	1.00	1.00
1.50E+10	-113.64	-114.97	-113.47	-114.75	-115.20	-114.35	15.02	-1.33		-1.11	-1.56	-
1.50E+10	-113.14	-114.91	-113.57	-114.82	-115.06	-114.94	15.03	-1.76		-1.68	-1.92	1.79
1.50E+10	-113.88	-114.28	-114.84	-115.66	-115.62	-114.91	15.05			-1.79	-1.75	1.03
1.51E+10	-113.40	-114.54	-113.42	-114.32	-115.36	-114.44	15.06	-1.14			-1.95	1.04
1.51E+10	-112.96	-114.41	-113.78	-113.46	-115.33	-113.94	15.08	-1.45			-2.37	-
1.51E+10	-113.95	-114.58	-114.26	-113.72	-115.83	-114.00	15.09				-1.88	-
1.51E+10	-113.44	-114.26	-113.65	-113.43	-115.42	-114.83	15.11				-1.98	1.39
1.51E+10	-113.32	-114.43	-113.17	-113.84	-115.45	-115.00	15.12	-1.11			-2.13	1.68
1.51E+10	-113.42	-114.58	-114.67	-114.54	-115.08	-114.43	15.14	-1.16	-1.25	-1.12	-1.66	1.01
1.52E+10	-113.67	-114.57	-113.78	-114.18	-114.85	-114.60	15.15				-1.18	-
1.52E+10	-113.05	-114.51	-114.02	-114.85	-114.87	-115.15	15.17	-1.45		-1.80	-1.82	2.10
1.52E+10	-113.45	-114.38	-113.47	-113.89	-114.78	-114.45	15.18				-1.33	1.00
1.52E+10	-113.59	-114.37	-113.26	-113.76	-115.24	-114.59	15.20				-1.65	-
1.52E+10	-113.71	-114.25	-113.06	-114.39	-115.08	-114.73	15.21				-1.37	1.02
1.52E+10	-114.69	-115.07	-113.34	-113.72	-115.38	-114.69	15.23		1.35			-
1.52E+10	-114.31	-114.44	-113.33	-114.26	-115.08	-114.37	15.24					-
1.53E+10	-113.84	-114.68	-114.03	-114.08	-115.37	-114.32	15.26				-1.53	-
1.53E+10	-114.07	-114.52	-115.20	-114.09	-115.50	-115.40	15.27		-1.12		-1.43	1.32
1.53E+10	-113.71	-114.65	-113.86	-113.84	-116.18	-114.61	15.29				-2.47	-
1.53E+10	-113.43	-115.17	-113.46	-114.72	-116.24	-114.96	15.30	-1.73		-1.29	-2.80	1.53

12 – 18 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011													
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.			Comparison					
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq GHz	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	minus the Ambient scan					dB m
								dBm	dBm	dBm	dBm	dBm	
1.53E+10	-114.08	-114.89	-114.31	-114.25	-116.10	-115.36	15.32				-2.02	1.28	
1.53E+10	-114.02	-114.79	-113.54	-114.39	-115.24	-114.29	15.33				-1.22		
1.53E+10	-113.88	-115.10	-113.84	-114.14	-115.82	-114.54	15.35	-1.22			-1.94		
1.54E+10	-114.57	-115.16	-114.38	-114.23	-115.99	-115.09	15.36				-1.42		
1.54E+10	-114.40	-115.69	-113.85	-113.89	-115.34	-114.72	15.38	-1.29					
1.54E+10	-113.98	-114.71	-114.23	-114.76	-116.54	-114.38	15.39				-2.56		
1.54E+10	-113.88	-114.76	-114.38	-114.33	-116.13	-115.04	15.41				-2.25	1.17	
1.54E+10	-114.05	-115.32	-114.55	-113.85	-115.78	-115.25	15.42	-1.26			-1.73	1.20	
1.54E+10	-113.75	-115.94	-113.93	-114.89	-115.33	-114.42	15.44	-2.19		-1.14	-1.57		
1.55E+10	-114.37	-115.22	-113.83	-113.78	-116.60	-115.28	15.45				-2.23		
1.55E+10	-114.73	-115.60	-113.52	-113.53	-116.24	-115.09	15.47		1.21	1.21	-1.50		
1.55E+10	-113.99	-115.00	-114.26	-113.92	-116.22	-115.33	15.48	-1.00			-2.22	1.34	
1.55E+10	-115.04	-115.28	-114.68	-114.47	-115.67	-114.53	15.50						
1.55E+10	-113.85	-114.76	-113.54	-114.46	-115.40	-115.18	15.51				-1.56	1.33	
1.55E+10	-114.42	-116.16	-114.30	-113.83	-116.03	-114.30	15.53	-1.74			-1.61		
1.55E+10	-114.27	-115.01	-114.61	-114.57	-116.35	-114.89	15.54				-2.08		
1.56E+10	-113.55	-114.75	-114.57	-114.30	-115.72	-115.20	15.56	-1.20	-1.02		-2.17	1.65	
1.56E+10	-114.30	-115.57	-114.16	-113.83	-114.79	-114.96	15.57	-1.26					
1.56E+10	-114.42	-115.11	-113.66	-114.14	-116.61	-114.35	15.59				-2.20		
1.56E+10	-113.89	-115.31	-114.41	-114.35	-115.59	-114.60	15.60	-1.42			-1.69		
1.56E+10	-113.48	-115.48	-114.54	-113.82	-115.11	-114.25	15.62	-1.99	-1.05		-1.63		
1.56E+10	-114.20	-115.15	-113.52	-113.60	-116.30	-115.27	15.63				-2.10	1.08	
1.56E+10	-113.71	-114.30	-114.07	-114.32	-115.00	-114.03	15.65				-1.30		

12 – 18 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.		Comparison					
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq GHz	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	dBm	dBm	dBm	dBm	dBm
1.57E+10	-113.66	-114.40	-114.27	-114.28	-114.85	-113.68	15.66	1.00	1.00	1.00	1.00	1.00
1.57E+10	-114.00	-114.37	-113.64	-114.44	-115.81	-114.80	15.68					-1.18
1.57E+10	-113.70	-114.72	-113.86	-113.78	-115.91	-114.25	15.69	-1.01				-2.21
1.57E+10	-113.82	-114.72	-112.97	-113.84	-115.10	-114.78	15.71					-1.28
1.57E+10	-113.74	-114.75	-113.37	-114.02	-115.13	-114.35	15.72	-1.00				-1.39
1.57E+10	-113.73	-114.82	-114.16	-113.84	-115.64	-114.43	15.74	-1.10				-1.91
1.58E+10	-113.70	-114.95	-113.85	-114.29	-114.80	-115.67	15.75	-1.25				-1.10
1.58E+10	-113.55	-114.78	-113.52	-113.58	-115.56	-114.43	15.77	-1.23				-2.01
1.58E+10	-113.92	-115.49	-113.85	-114.62	-114.85	-114.80	15.78	-1.56				
1.58E+10	-114.15	-114.60	-113.47	-113.76	-115.07	-114.14	15.80					
1.58E+10	-114.21	-114.57	-113.61	-114.82	-114.86	-114.26	15.81					
1.58E+10	-113.57	-114.79	-113.81	-114.21	-114.78	-114.58	15.83	-1.22				-1.21
1.58E+10	-114.03	-114.74	-113.88	-114.21	-115.68	-114.54	15.84					-1.65
1.59E+10	-113.80	-114.55	-114.57	-113.91	-115.28	-114.54	15.86					-1.48
1.59E+10	-113.57	-113.75	-113.61	-113.78	-115.27	-115.07	15.87					-1.69
1.59E+10	-113.61	-114.66	-113.40	-114.31	-115.35	-114.37	15.89	-1.04				-1.73
1.59E+10	-113.74	-114.48	-114.18	-113.79	-115.39	-114.18	15.90					-1.65
1.59E+10	-113.40	-115.03	-113.13	-114.17	-115.42	-114.03	15.92	-1.63				-2.02
1.59E+10	-113.72	-113.78	-114.09	-114.00	-116.52	-115.11	15.93					-2.80
1.59E+10	-113.22	-114.76	-112.88	-114.32	-116.15	-114.46	15.95	-1.54		-1.11		-2.93
1.60E+10	-114.25	-114.66	-113.81	-115.25	-115.12	-115.57	15.96			-1.00		
1.60E+10	-113.92	-114.92	-114.94	-114.64	-115.85	-115.04	15.98		-1.02			-1.93
1.60E+10	-114.12	-114.92	-113.49	-114.96	-115.58	-115.57	15.99					-1.46

12 – 18 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.		Comparison					
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq GHz	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	minus the Ambient scan dBm	dBm	dBm	dBm	dBm
								1.00	1.00	1.00	1.00	1.00
1.60E+10	-113.28	-114.68	-114.67	-114.15	-116.48	-115.04	16.01	-1.39	-1.38		-3.20	1.76
1.60E+10	-113.85	-114.67	-114.44	-113.75	-115.39	-114.35	16.02				-1.54	
1.60E+10	-114.33	-114.29	-113.81	-114.38	-116.46	-114.53	16.04				-2.13	
1.61E+10	-114.07	-115.80	-113.33	-114.08	-115.57	-114.20	16.05	-1.73			-1.49	
1.61E+10	-113.68	-114.75	-113.74	-114.05	-115.20	-115.28	16.07	-1.07			-1.52	1.60
1.61E+10	-114.29	-115.20	-114.61	-114.96	-115.97	-114.69	16.08				-1.68	
1.61E+10	-114.58	-114.56	-113.94	-114.21	-115.68	-115.04	16.10				-1.09	
1.61E+10	-113.66	-115.25	-114.14	-114.41	-116.32	-115.54	16.11	-1.59			-2.66	1.88
1.61E+10	-114.69	-115.39	-113.95	-113.41	-114.97	-115.36	16.13			1.28		
1.61E+10	-113.82	-114.88	-114.17	-113.91	-116.10	-114.96	16.14	-1.06			-2.28	1.14
1.62E+10	-114.57	-115.37	-114.04	-113.87	-114.57	-115.24	16.16					
1.62E+10	-113.81	-114.90	-114.62	-114.85	-115.57	-114.83	16.17	-1.09		-1.04	-1.77	1.02
1.62E+10	-113.05	-115.75	-113.59	-113.90	-115.56	-115.02	16.19	-2.69			-2.50	1.97
1.62E+10	-114.00	-114.41	-113.45	-113.92	-115.67	-114.18	16.20				-1.67	
1.62E+10	-113.88	-113.87	-113.51	-113.93	-115.41	-113.92	16.22				-1.53	
1.62E+10	-113.48	-115.05	-113.50	-113.61	-115.59	-113.64	16.23	-1.57			-2.11	
1.62E+10	-113.77	-114.86	-113.31	-114.21	-115.51	-114.56	16.25	-1.09			-1.75	
1.63E+10	-113.38	-114.39	-113.50	-113.94	-115.16	-114.45	16.26	-1.01			-1.78	1.08
1.63E+10	-113.92	-114.97	-113.56	-113.73	-115.24	-114.09	16.28	-1.05			-1.32	
1.63E+10	-113.62	-114.67	-113.46	-114.00	-114.83	-115.75	16.29	-1.05			-1.21	2.14
1.63E+10	-113.76	-114.60	-113.20	-115.60	-115.81	-114.98	16.31		-1.84	-2.05		1.22

12 – 18 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.		Comparison					
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq GHz	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	minus the Ambient scan				
								dBm	dBm	dBm	dBm	dBm
1.63E+10	-114.34	-114.77	-114.48	-113.99	-115.45	-114.62	16.32	1.00	1.00	1.00	1.00	1.00
1.63E+10	-114.58	-114.97	-114.30	-115.88	-115.60	-114.46	16.34			-1.30	-1.02	-
1.64E+10	-114.12	-114.56	-113.52	-114.47	-115.39	-115.29	16.35				-1.27	1.17
1.64E+10	-114.06	-115.36	-114.85	-114.12	-114.90	-114.48	16.37	-1.30				-
1.64E+10	-113.67	-114.38	-114.39	-114.17	-115.50	-115.39	16.38				-1.83	1.73
1.64E+10	-114.03	-115.30	-113.78	-114.17	-115.58	-114.52	16.40	-1.28			-1.56	-
1.64E+10	-113.74	-115.01	-113.81	-114.19	-115.27	-114.87	16.41	-1.26			-1.53	1.13
1.64E+10	-113.78	-114.67	-114.35	-113.86	-115.84	-114.53	16.43				-2.05	-
1.64E+10	-114.45	-115.00	-113.74	-114.17	-116.40	-114.62	16.44				-1.95	-
1.65E+10	-113.96	-114.71	-113.43	-114.49	-115.24	-114.60	16.46				-1.28	-
1.65E+10	-113.96	-115.07	-113.79	-114.86	-115.82	-115.15	16.47	-1.11			-1.85	1.19
1.65E+10	-113.80	-115.46	-114.84	-113.63	-116.14	-114.74	16.49	-1.66	-1.04		-2.34	-
1.65E+10	-114.18	-115.07	-113.73	-114.09	-116.11	-114.76	16.50				-1.93	-
1.65E+10	-113.61	-115.24	-114.07	-113.90	-116.00	-115.18	16.52	-1.63			-2.38	1.57
1.65E+10	-114.28	-114.88	-114.01	-113.69	-115.67	-115.34	16.53				-1.38	1.06
1.65E+10	-114.76	-114.47	-114.38	-116.43	-115.65	-114.81	16.55			-1.67		-
1.66E+10	-114.44	-114.56	-114.11	-114.99	-115.84	-114.05	16.56				-1.40	-
1.66E+10	-113.69	-114.89	-114.60	-114.40	-115.66	-114.88	16.58	-1.19			-1.96	1.18
1.66E+10	-114.04	-114.74	-113.90	-114.07	-115.95	-113.95	16.59				-1.91	-
1.66E+10	-114.03	-114.41	-113.96	-113.97	-115.52	-114.85	16.61				-1.50	-
1.66E+10	-113.88	-114.93	-114.64	-113.93	-115.56	-114.92	16.62	-1.04			-1.67	1.04
1.66E+10	-113.85	-114.81	-113.83	-114.79	-115.94	-114.64	16.64				-2.09	-

12 – 18 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011													
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.		Comparison						
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq GHz	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	minus the Ambient scan					dBm
								dBm	dBm	dBm	dBm	dBm	
1.67E+10	-114.26	-115.00	-113.85	-114.66	-116.30	-114.23	16.65	1.00	1.00	1.00	1.00	1.00	
1.67E+10	-113.75	-114.96	-113.36	-113.78	-115.75	-114.39	16.67	-1.21			-2.00		
1.67E+10	-114.07	-115.57	-114.41	-113.73	-115.32	-115.28	16.68	-1.50			-1.25	1.20	
1.67E+10	-114.00	-115.58	-114.07	-114.39	-116.24	-114.88	16.70	-1.58			-2.25		
1.67E+10	-113.78	-114.93	-114.48	-114.59	-115.96	-114.83	16.71	-1.14			-2.18	1.04	
1.67E+10	-114.11	-114.66	-114.45	-113.86	-115.47	-115.08	16.73				-1.36		
1.67E+10	-113.86	-114.89	-115.32	-114.45	-115.64	-114.66	16.74	-1.03	-1.46		-1.78		
1.68E+10	-113.98	-114.92	-114.02	-114.20	-115.62	-114.89	16.76				-1.64		
1.68E+10	-113.32	-115.21	-114.61	-114.50	-116.77	-114.63	16.77	-1.88	-1.29	-1.18	-3.45	1.31	
1.68E+10	-114.27	-115.20	-114.54	-114.42	-115.24	-114.83	16.79						
1.68E+10	-114.39	-115.05	-113.96	-114.67	-116.03	-115.88	16.80				-1.64	1.49	
1.68E+10	-114.24	-115.37	-113.60	-114.31	-116.35	-114.93	16.82	-1.13			-2.11		
1.68E+10	-113.39	-115.14	-114.53	-114.11	-116.29	-115.47	16.83	-1.75	-1.14		-2.91	2.08	
1.68E+10	-114.27	-115.06	-114.82	-114.33	-116.07	-114.50	16.85				-1.81		
1.69E+10	-113.57	-115.56	-114.10	-114.37	-116.23	-114.30	16.86	-1.99			-2.66		
1.69E+10	-114.33	-114.95	-113.97	-114.58	-116.19	-114.14	16.88				-1.87		
1.69E+10	-114.73	-115.40	-115.00	-115.28	-116.14	-115.30	16.89				-1.41		
1.69E+10	-113.97	-115.56	-114.51	-114.53	-116.57	-114.43	16.91	-1.59			-2.60		
1.69E+10	-113.86	-115.05	-114.25	-113.51	-115.68	-114.35	16.92	-1.19			-1.82		
1.69E+10	-114.08	-115.44	-113.94	-114.22	-115.94	-114.52	16.94	-1.36			-1.86		
1.70E+10	-114.25	-115.47	-114.83	-115.11	-115.43	-115.94	16.95	-1.22			-1.18	1.69	
1.70E+10	-114.50	-115.20	-114.38	-114.65	-116.15	-114.19	16.97				-1.65		
1.70E+10	-114.28	-115.36	-114.15	-114.50	-116.63	-114.43	16.98	-1.08			-2.35		

12 – 18 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011													
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.		Comparison						
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq GHz	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan	
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	minus the Ambient scan					dBm
								dBm	dBm	dBm	dBm	dBm	
1.70E+10	-114.44	-115.58	-113.75	-114.59	-115.97	-114.43	17.00	-1.14			-1.53		
1.70E+10	-114.63	-115.10	-114.01	-114.39	-116.15	-115.33	17.01				-1.52		
1.70E+10	-114.93	-115.44	-114.43	-114.68	-116.31	-115.41	17.03				-1.37		
1.70E+10	-114.38	-115.74	-114.63	-115.46	-116.54	-115.38	17.04	-1.36		-1.08	-2.17		
1.71E+10	-114.00	-114.94	-115.19	-115.68	-117.20	-115.40	17.06		-1.18	-1.68	-3.20	1.40	
1.71E+10	-115.26	-114.97	-114.68	-114.99	-116.64	-114.62	17.07				-1.38		
1.71E+10	-114.39	-115.68	-114.43	-116.02	-116.24	-115.46	17.09	-1.29		-1.63	-1.84	1.07	
1.71E+10	-114.01	-115.47	-114.21	-114.78	-115.51	-115.27	17.10	-1.46			-1.50	1.26	
1.71E+10	-114.46	-115.29	-114.84	-114.39	-116.13	-115.24	17.12				-1.67		
1.71E+10	-113.69	-115.44	-114.65	-114.19	-116.78	-115.00	17.13	-1.75			-3.09	1.31	
1.71E+10	-114.62	-115.02	-114.63	-114.12	-116.54	-113.82	17.15				-1.92		
1.72E+10	-114.74	-115.16	-114.14	-114.71	-116.02	-115.32	17.16				-1.28		
1.72E+10	-113.99	-114.91	-114.07	-115.06	-115.78	-115.41	17.18			-1.07	-1.79	1.43	
1.72E+10	-113.61	-115.24	-115.47	-115.00	-115.78	-115.60	17.19	-1.63	-1.86	-1.39	-2.17	1.99	
1.72E+10	-114.39	-115.11	-114.23	-114.38	-116.45	-114.95	17.21				-2.06		
1.72E+10	-114.25	-115.32	-114.91	-114.76	-116.39	-116.16	17.22	-1.07			-2.14	1.92	
1.72E+10	-114.66	-115.34	-114.05	-114.09	-116.80	-114.78	17.24				-2.13		
1.73E+10	-113.92	-115.30	-114.09	-115.72	-116.41	-115.69	17.25	-1.38		-1.80	-2.49	1.77	
1.73E+10	-115.17	-115.25	-114.04	-114.25	-115.38	-115.33	17.27		1.13				
1.73E+10	-114.22	-114.94	-115.24	-114.21	-116.00	-115.21	17.28		-1.02		-1.78		
1.73E+10	-114.21	-115.54	-114.77	-114.43	-115.96	-114.56	17.30	-1.32			-1.75		
1.73E+10	-114.10	-115.01	-115.03	-114.21	-115.57	-114.92	17.31				-1.47		

12 – 18 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.			Comparison				
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq GHz	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	minus the Ambient scan				
								dBm	dBm	dBm	dBm	dBm
1.73E+10	-114.11	-115.89	-115.26	-116.16	-115.35	-115.12	17.33	-1.79	-1.16	-2.06	-1.25	1.01
1.73E+10	-114.44	-114.66	-114.14	-114.27	-115.90	-115.50	17.34				-1.47	1.06
1.74E+10	-114.69	-114.95	-114.76	-115.79	-115.56	-115.93	17.36			-1.10		1.24
1.74E+10	-113.87	-115.54	-114.98	-115.33	-116.28	-114.76	17.37	-1.67	-1.11	-1.46	-2.41	
1.74E+10	-114.57	-114.67	-113.96	-114.85	-116.25	-115.54	17.39				-1.68	
1.74E+10	-114.72	-114.76	-114.84	-115.20	-116.17	-116.07	17.40				-1.45	1.34
1.74E+10	-115.09	-115.26	-115.34	-115.26	-116.77	-116.29	17.42				-1.68	1.21
1.74E+10	-114.81	-115.70	-115.63	-114.74	-115.99	-115.70	17.43				-1.18	
1.74E+10	-115.29	-116.08	-114.65	-115.33	-116.43	-115.76	17.45				-1.14	
1.75E+10	-115.01	-115.49	-115.01	-114.49	-116.22	-115.92	17.46				-1.21	
1.75E+10	-114.08	-115.88	-115.40	-114.71	-115.51	-114.27	17.48	-1.80	-1.32		-1.43	
1.75E+10	-114.42	-115.78	-115.06	-115.25	-116.94	-116.06	17.49	-1.36			-2.52	1.64
1.75E+10	-114.63	-114.93	-114.89	-115.34	-116.32	-115.37	17.51				-1.68	
1.75E+10	-114.13	-115.19	-115.28	-114.33	-116.25	-115.02	17.52	-1.06	-1.14		-2.12	
1.75E+10	-114.51	-116.32	-116.03	-115.26	-114.83	-115.58	17.54	-1.80	-1.51			1.06
1.76E+10	-113.77	-115.36	-114.42	-114.75	-116.68	-114.84	17.55	-1.59			-2.91	1.07
1.76E+10	-114.23	-114.94	-113.49	-115.41	-116.33	-116.10	17.57			-1.17	-2.10	1.87
1.76E+10	-114.56	-114.62	-114.33	-114.65	-116.52	-114.41	17.58				-1.96	
1.76E+10	-114.17	-115.71	-114.62	-114.75	-116.03	-114.89	17.60	-1.54			-1.86	
1.76E+10	-114.14	-115.56	-115.40	-114.92	-116.05	-114.89	17.61	-1.41	-1.26		-1.90	
1.76E+10	-114.34	-115.76	-114.86	-114.97	-115.81	-115.47	17.63	-1.42			-1.47	1.13
1.76E+10	-114.39	-115.15	-114.74	-113.99	-115.82	-116.35	17.64				-1.43	

12 – 18 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.		Comparison					
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq GHz	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	minus the Ambient scan				
								dBm	dBm	dBm	dBm	dBm
								1.00	1.00	1.00	1.00	1.00
												1.96
1.77E+10	-114.57	-115.21	-114.71	-115.00	-116.13	-114.68	17.66				-1.56	
1.77E+10	-114.79	-114.91	-115.01	-114.30	-116.51	-115.09	17.67				-1.72	
1.77E+10	-114.15	-115.13	-114.89	-114.85	-116.26	-115.08	17.69				-2.11	
1.77E+10	-114.26	-115.72	-113.73	-115.26	-115.71	-115.12	17.70	-1.46		-1.00	-1.45	
1.77E+10	-114.66	-115.39	-114.52	-114.50	-116.15	-114.47	17.72				-1.49	
1.77E+10	-114.00	-115.14	-114.28	-114.98	-115.56	-115.31	17.73	-1.14			-1.56	1.31
1.77E+10	-114.35	-114.77	-115.29	-114.66	-116.97	-114.75	17.75				-2.62	
1.78E+10	-114.12	-114.98	-115.33	-115.28	-117.14	-115.62	17.76		-1.21	-1.16	-3.02	1.51
1.78E+10	-114.47	-115.71	-114.43	-114.23	-115.96	-114.50	17.78	-1.23			-1.49	
1.78E+10	-114.46	-115.59	-114.70	-115.21	-116.17	-115.58	17.79	-1.13			-1.71	1.13
1.78E+10	-114.34	-115.41	-114.07	-114.42	-115.71	-115.37	17.81	-1.07			-1.37	1.03
1.78E+10	-114.63	-115.44	-113.96	-114.31	-115.60	-115.60	17.82					
1.78E+10	-114.00	-114.62	-115.06	-114.55	-115.94	-114.44	17.84		-1.06		-1.94	
1.79E+10	-114.29	-114.80	-114.68	-114.31	-116.15	-114.69	17.85				-1.86	
1.79E+10	-113.93	-114.57	-116.15	-115.05	-115.67	-114.96	17.87		-2.22	-1.12	-1.74	1.03
1.79E+10	-113.83	-115.23	-114.25	-114.37	-116.12	-115.26	17.88	-1.41			-2.30	1.43
1.79E+10	-113.94	-115.59	-115.28	-114.09	-115.21	-115.70	17.90	-1.64	-1.34		-1.26	1.76
1.79E+10	-113.88	-114.57	-113.86	-114.77	-116.11	-114.34	17.91				-2.23	
1.79E+10	-114.02	-115.11	-114.12	-113.90	-115.55	-114.00	17.93	-1.09			-1.52	
1.79E+10	-113.74	-114.81	-114.74	-114.58	-115.53	-115.07	17.94	-1.07			-1.79	1.34
1.80E+10	-114.28	-115.15	-114.57	-114.24	-115.71	-115.07	17.96				-1.43	

12 – 18 GHz Wind Turbine Construction Phase from 6-Jan-2011 to 18-Jan-2011												
Ambient Scan		1st tower section on gnd, crane connected	1st section up, 2nd on ground, crane connected	Both sections up, crane connected to the top section.	Wind Turbine completed, blades stowed in the horizontal position. All construction machinery has been removed. Area quiet.		Comparison					
6-Jan-11		14-Jan-11	17-Jan-11	18-Jan-11	27-Jan-11	28-Jan-11	Freq GHz	14-Jan	17-Jan	18-Jan	27-Jan	28-Jan
Frequency (Hz)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Trace1 (dBm)	Enter Limit >	minus the Ambient scan				
								dBm	dBm	dBm	dBm	dBm
1.80E+10	-113.92	-115.76	-114.39	-114.41	-115.75	-114.99	17.97	1.00	1.00	1.00	1.00	1.00
1.80E+10	-113.93	-114.83	-114.57	-114.74	-115.98	-114.57	17.99				-1.83	1.07
1.80E+10	-113.56	-115.25	-114.31	-114.28	-116.35	-115.14	18.00	-1.69			-2.79	1.58
Sum of column								-262.28	-36.03	-65.50	-689.65	-212.60

Attenuation (dB)
0

Center Frequency (Hz)
15000000000

Date/Time
1/6/2011 13:37

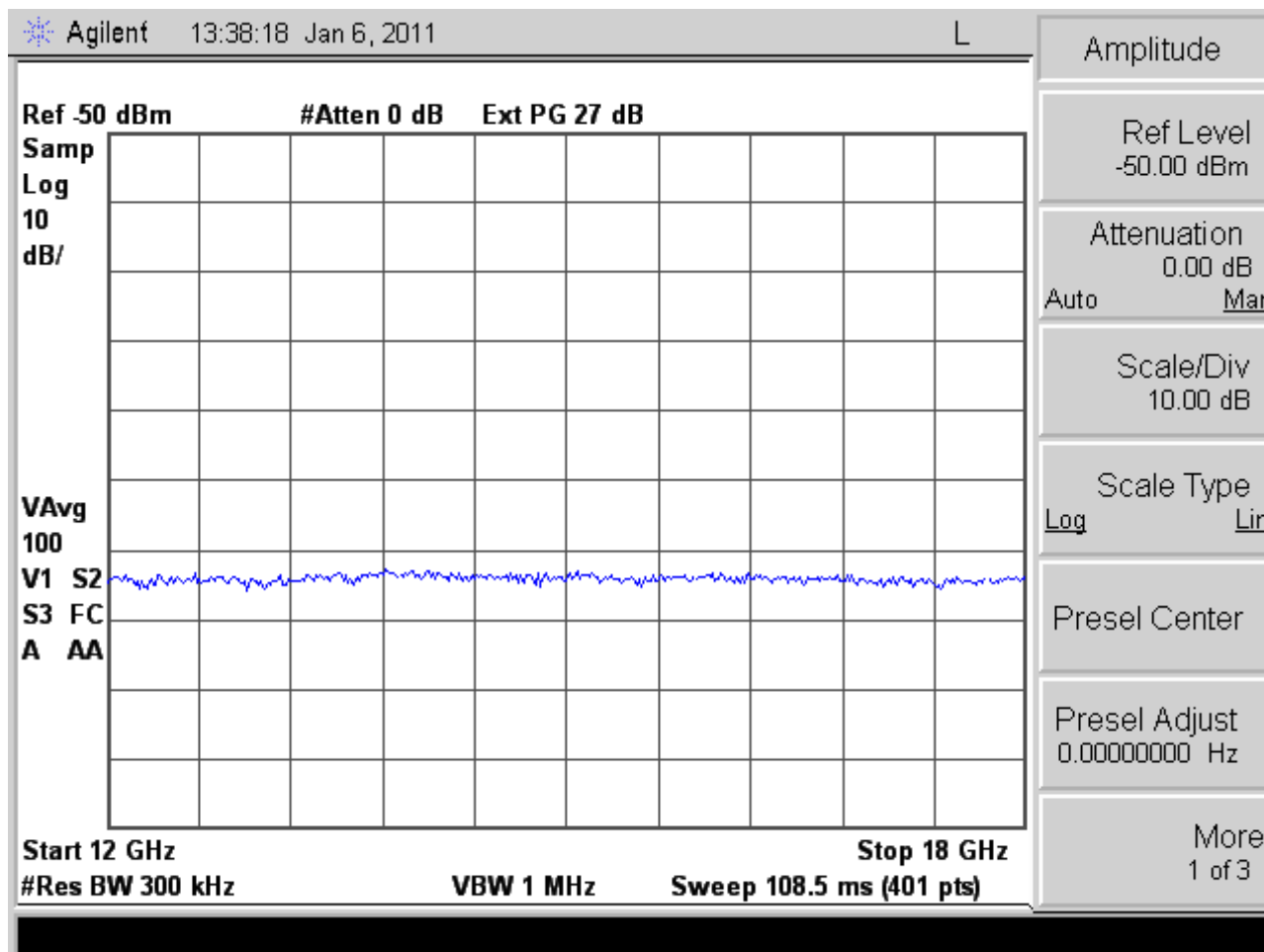
Instrument Model
E4407B

Instrument Serial Number
MY45116875

Reference Level (dBm)
-50

Resolution BW (Hz)
300000

Scale Type
LOG



Span Frequency (Hz)
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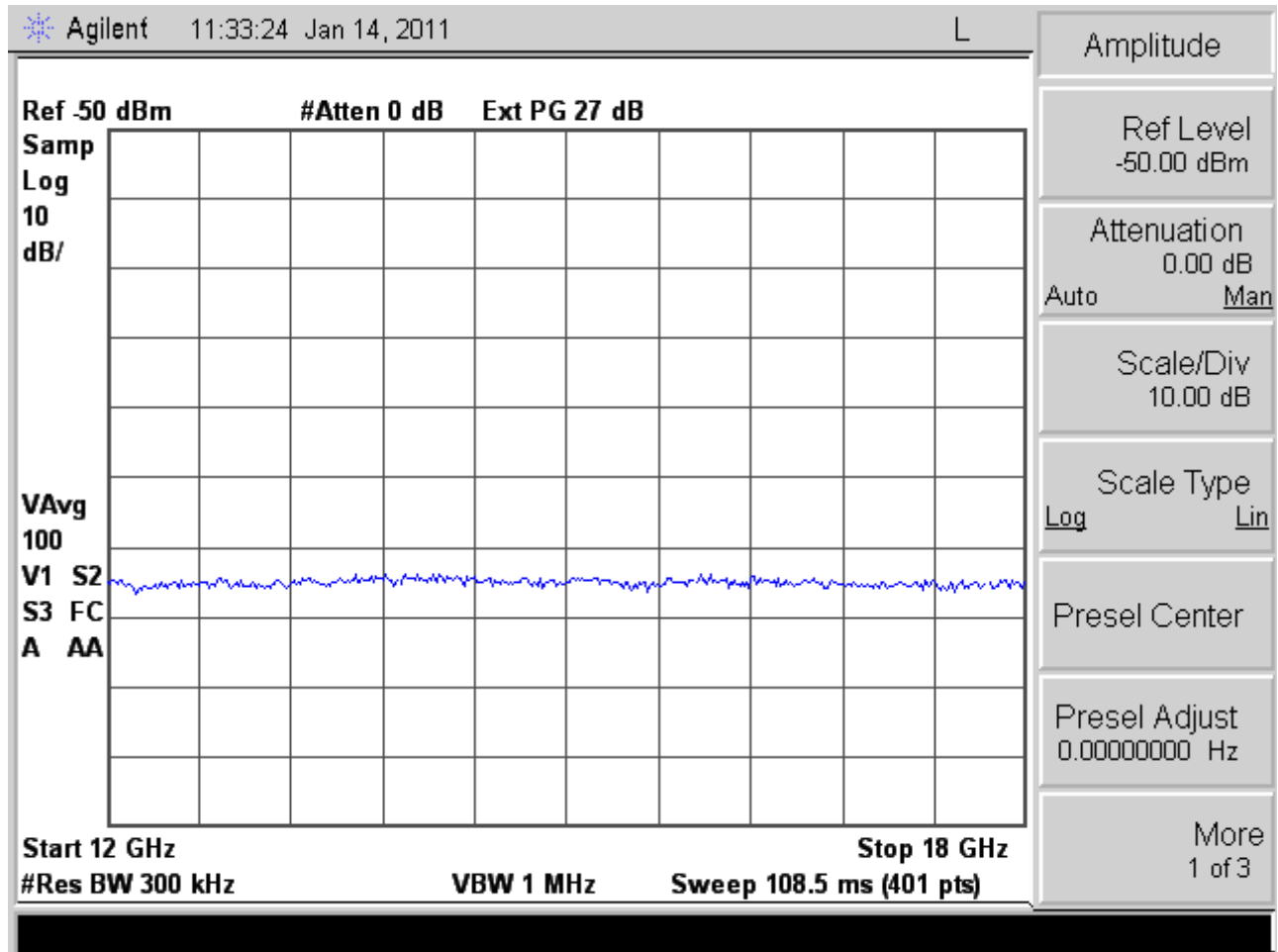
Start Frequency (Hz)
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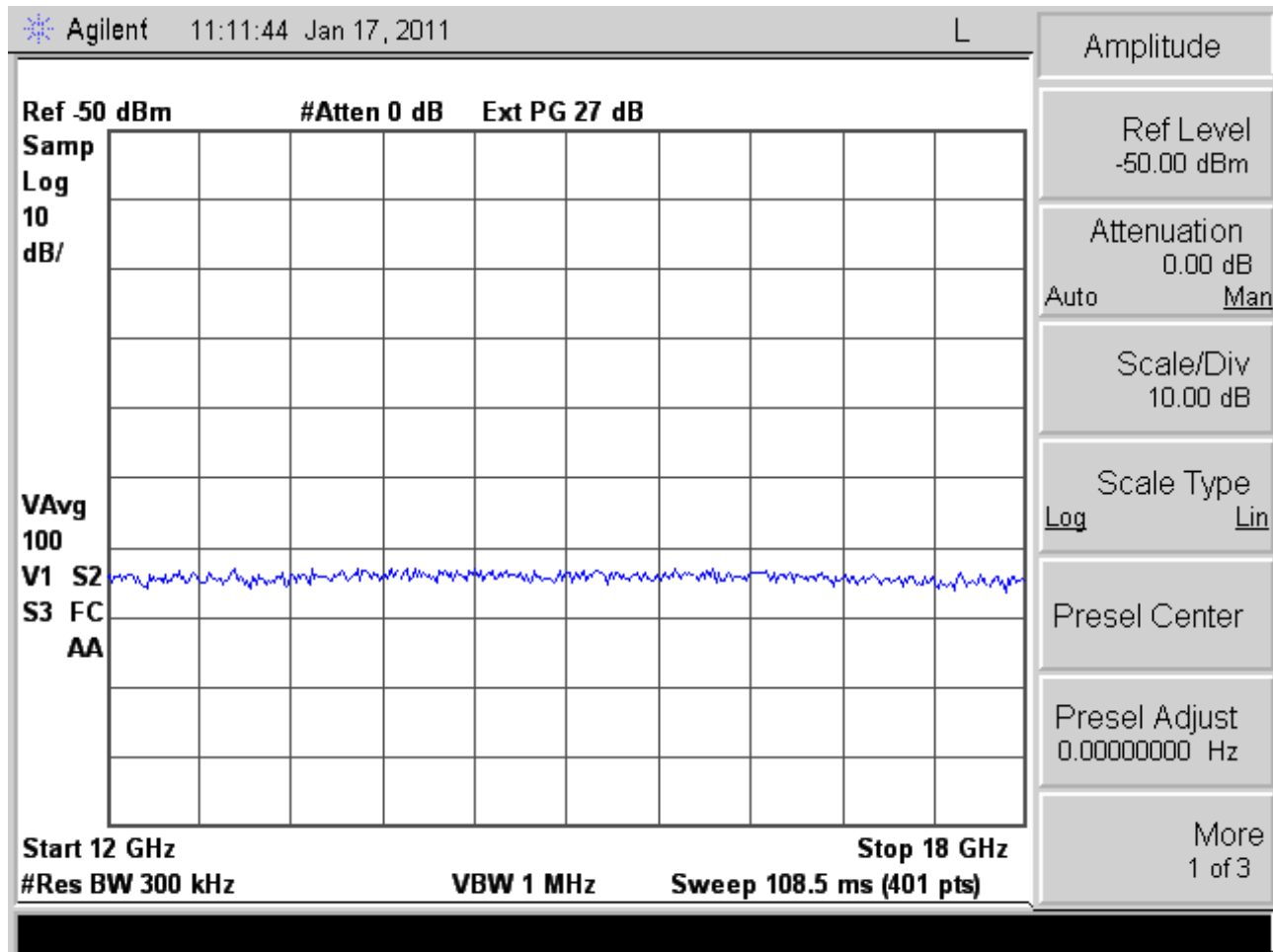
Stop Frequency (Hz)
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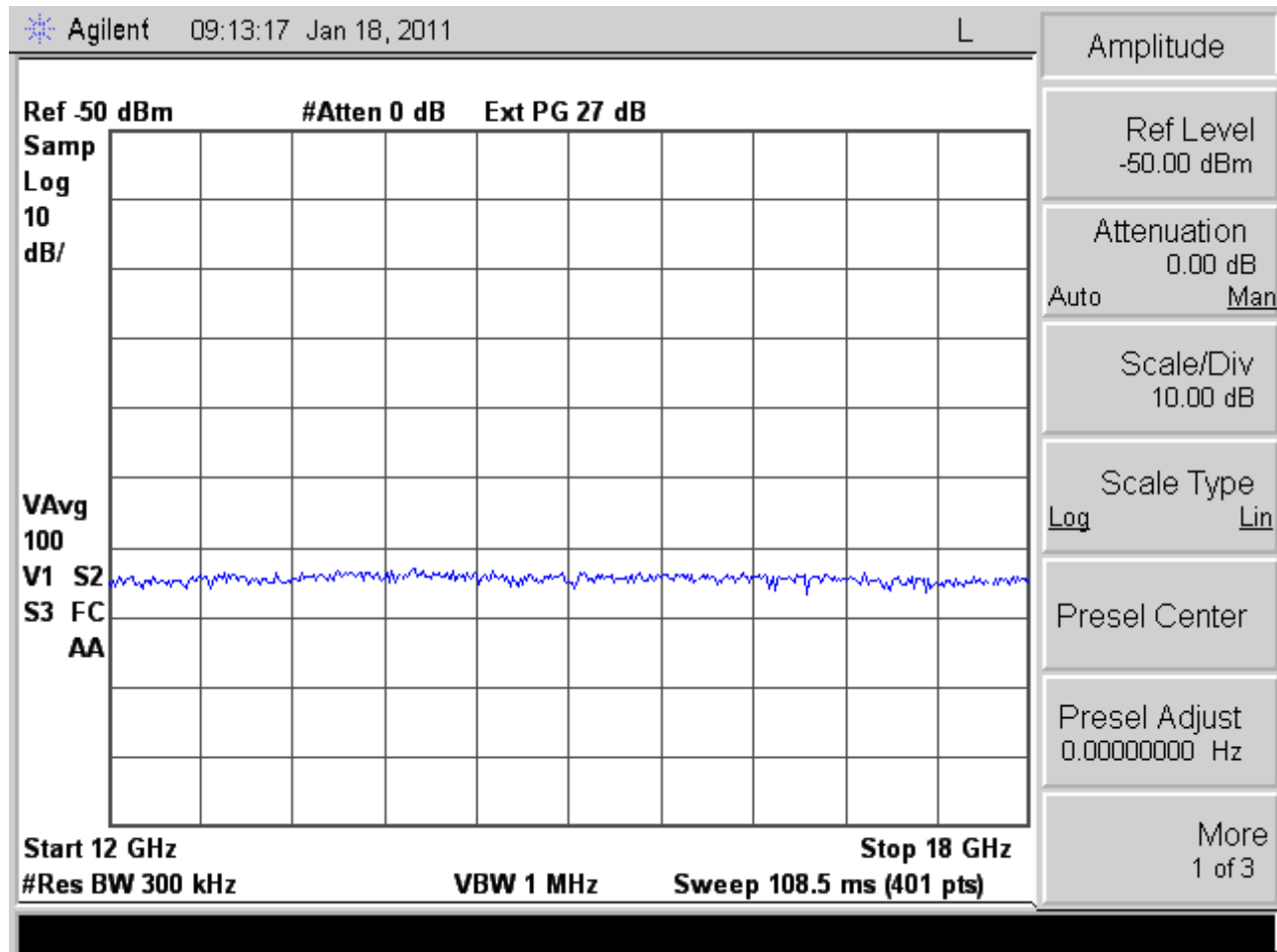
Sweep Number Of Points
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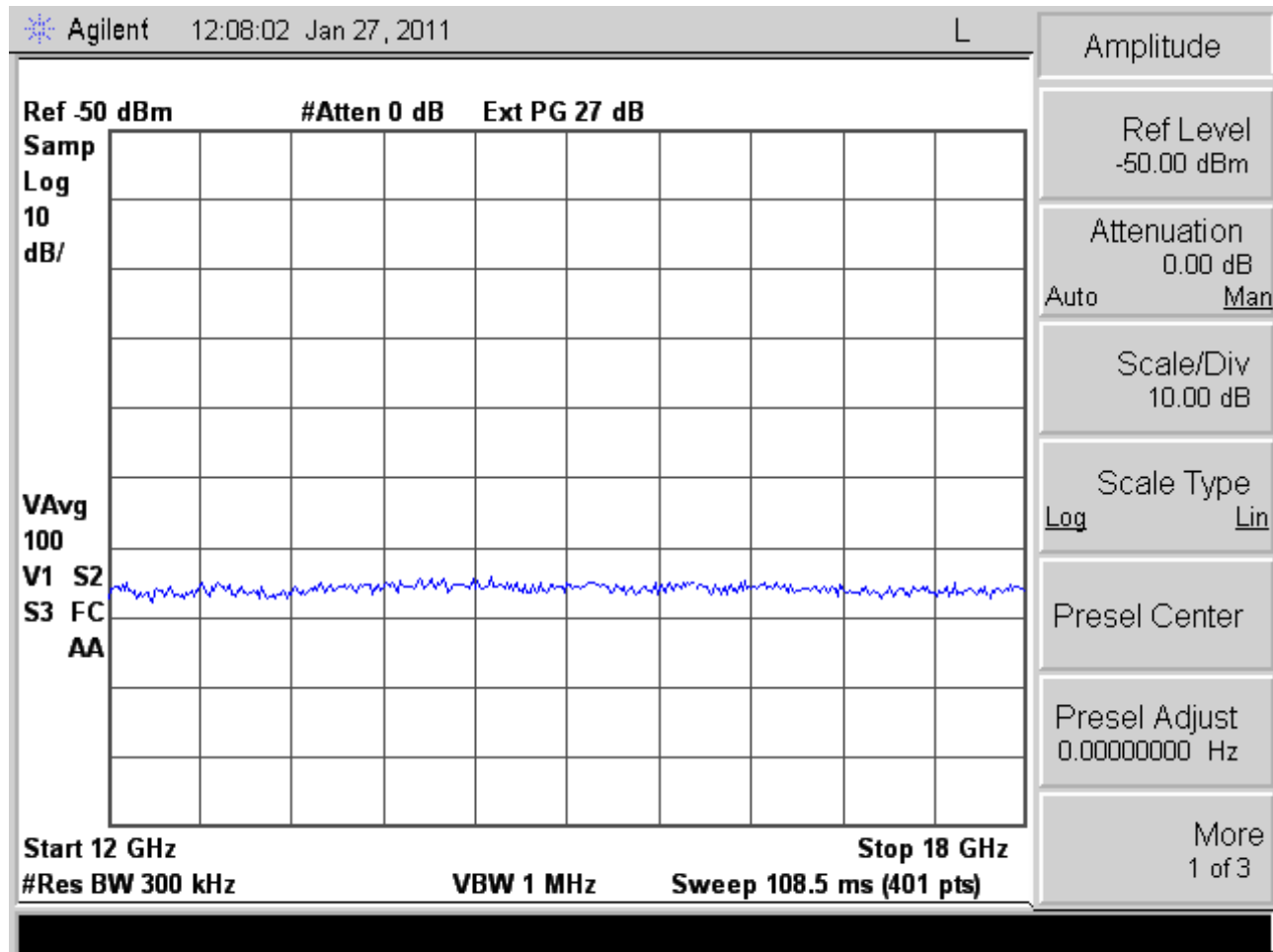
Sweep Time (seconds)
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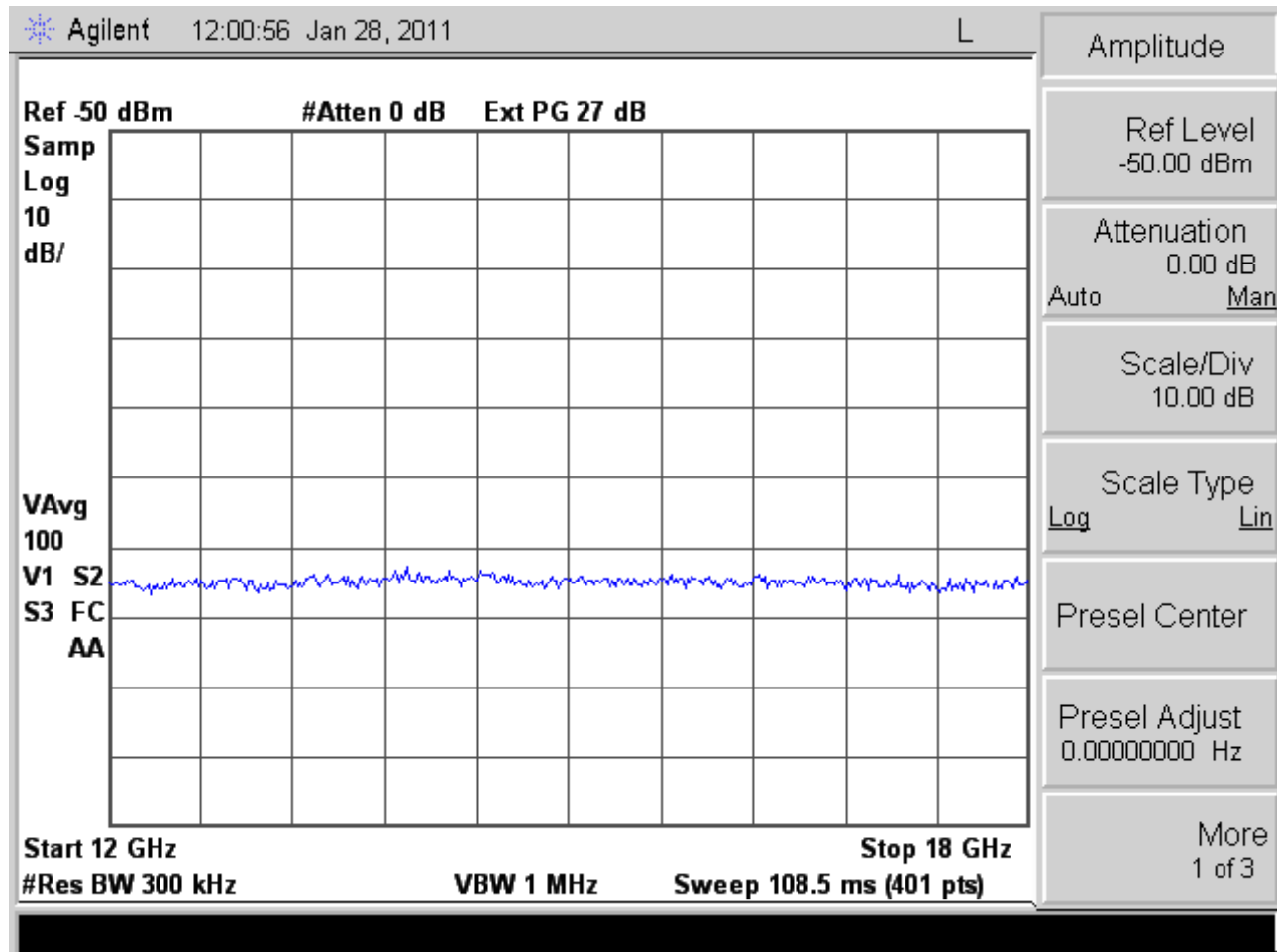
Video BW (Hz)
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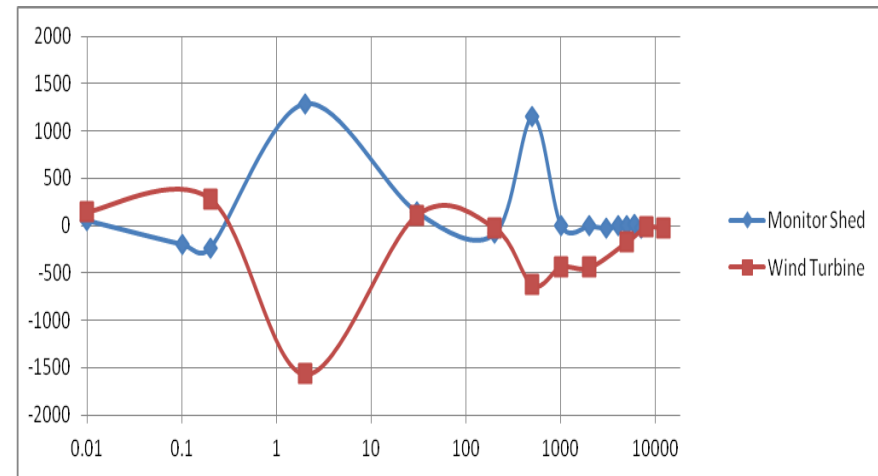


G. SIGNAL STRENGTH COMPARISON FOR THE MONITOR SHED VS WIND TURBINE SITE

Signal Strength Comparison for the Monitor Shed vs. Wind Turbine Sites, Data and Graphs

Signal Alone, 6dB for 10KHz to 200MHz and 3dB for Over 200MHz Difference Between Ambient and Summed Signals

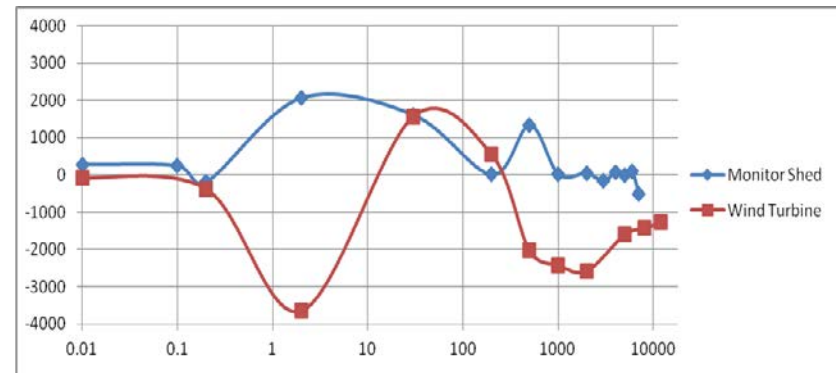
Frequency	Freq Band	Freq Band	Monitor Shed	Wind Turbine
MHz	Monitor Shed	Wind Turbine	Sum Total	Sum Total
0.01	10-100KHz	10-200KHz	56.85	146.17
0.1	100-200KHz		-193.56	
0.2	200K-2MHz		-231.53	285
2	2-30MHz		1289.69	-1568
30	30-200MHz		147.23	107.95
200	200-500MHz		-85.07	-23.62
500	500M-1GHz		1148.86	-627.79
1000	1-2GHz		3.79	-437.78
2000	2-3GHz	2-4GHz	-5	-442.42
3000	3-4GHz		-25.62	
4000	4-5GHz		-4.14	
5000	5-6GHz	4-8GHz	-4.38	-170.18
6000	6-7GHz		8.43	
7000	7-8GHz		-26.01	
8000		8-12GHz		-16.43
12000		12-18GHz		-29.19



H. SIGNAL NOISE, DIFFERENCE BETWEEN AMBIENT AND SUMMED SIGNALS

Signal Plus Noise, 1dB for 10KHz to 8GHz Difference Between Ambient and Summed Signals

Frequency	Freq Band	Freq Band	Monitor Shed	Wind Turbine
MHz	Monitor Shed	Wind Turbine	Sum Total	Sum Total
0.01	10-100KHz	10-200KHz	284	-74
0.1	100-200KHz		248	
0.2	200K-2MHz		-187	-373
2	2-30MHz		2064	-3643
30	30-200MHz		1609	1573
200	200-500MHz		10.58	547
500	500M-1GHz		1331	-2037
1000	1-2GHz		27.1	-2422
2000	2-3GHz	2-4GHz	41	-2574
3000	3-4GHz		-162	
4000	4-5GHz		78	
5000	5-6GHz	4-8GHz	-17	-1601
6000	6-7GHz		87	
7000	7-8GHz		-506	
8000		8-12GHz		-1431
12000		12-18GHz		-1266



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LIST OF REFERENCES

- Defense Technology Strategy for the Demands of the 21st Century Ministry of Defense
London, UK. (2005a). *The effect of the wind turbine farms on air defense radars*.
London, UK: Air Warfare Center, Royal Air Force.
- Defense Technology Strategy for the Demands of the 21st Century Ministry of Defense
London, UK. (2005b). *The effects of wind turbine farms on ATC radars*. London,
UK: Air Warfare Center, Royal Air Force.
- Defense Technology Strategy for the Demands of the 21st Century Ministry of Defense
London, UK. (2005c). *Further evidence of the effects of wind turbine farms on
AD (Air Defense) radar*. London, UK: Air Warfare Center, Royal Air Force.
- Department of Trade and Industry (DTI). (2003, September). *Wind farm impact on radar
aviation interest-final report*. Sustainable Energy Programmers. UK: ETSU.
- Hynes, M. (2012, May 1). *Wind turbine GPS performance test report test technology
design and development (T2D2) lab electronic proving ground*. Ft. Huachuca,
AZ: Author.
- Radio Advisory Board of Canada (RABC). (2007, April). *Technical information and
guidelines on the assessment of the potential impact of wind turbines on radio
communication, radar and seism acoustic systems*. Ottawa, Ontario, Canada:
Canadian Wind Energy Association (CanWEA).
- Report to the Congressional Defense Committees. (2006). *The effect of windmill farms on
military readiness*. Washington, DC: Office of the Director of Defense Research
and Engineering.
- Sasarita, G. (2013, March). *Test report for the electromagnetic (EM) impact of Army
wind turbines*. Ft. Huachuca, AZ: Author.

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